### FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

•			1 1016331011		ion - Residential Pe								
Project Name:	Dava Walters R	esidence		Builder N									
Street:	, FL,			Permit O									
City, State, Zip: Owner:	, ┌∟,			Permit Number: Jurisdiction:									
Design Location:	FL, Gainesville			County: columbia(Florida Climate Zone 2)									
-						·							
New construction	_	New (F	rom Plans)		Types(756.0 sqft.) e - Wood, Exterior	Insulation Area R=13.0 756.00 ft <sup>2</sup>							
2. Single family or			Detached	b. N/A	e - vvoou, Exterior	K=13.0 730.00 II							
<ol><li>Number of units</li></ol>	, if multiple family		1	c. N/A									
<ol><li>Number of Bedr</li></ol>	ooms		1	d. N/A	T (450.0 %)								
5. Is this a worst c	ase?		No		g Types(456.0 sqft.) eiling under att (Vented)	Insulation Area R=30.0 456.00 ft <sup>2</sup>							
6. Conditioned floo			456	b. N/A	aming unider all (veriled)	N=30.0 430.00 II							
Conditioned floo	or area below grad	le (ft²)	0	c. N/A									
7. Windows(82.0			Area		Comp. Shingles, Vented)								
a. U-Factor:	Dbl, U=0.:		82.00 ft <sup>2</sup>		, location & insulation leve								
SHGC: b. U-Factor:	SHGC=0. N/A	20	ft <sup>2</sup>	a. Sup: A	Attic, Ret: Attic, AH: Garag	ge 6 86							
SHGC:	IN/A		п	C.									
c. U-Factor:	N/A		ft <sup>2</sup>	_	ng Systems	kBtu/hr Efficiency							
SHGC:				a. Centra	al Unit	24.0 SEER2:16.00							
Area Weighted Av		Depth:	1.500 ft										
Area Weighted Av	_		0.200	15 Heatir	ng Systems	kBtu/hr Efficiency							
8. Skylights U-Factor:(AVG)	Descriptio N/A	n	Area N/A ft <sup>2</sup>		ic Heat Pump	24.0 HSPF2:7.80							
SHGC(AVG):	N/A N/A		IN/A II		,								
9. Floor Types	14/7	Insulation	Area										
a. Floor over Gar	age	R= 30.0	456.00 ft <sup>2</sup>	16. Hot W a. Electri	/ater Systems	Cap: E0 gallana							
b. N/A	9	R=	ft <sup>2</sup>	a. ⊏iectri	IC	Cap: 50 gallons EF: 0.920							
c. N/A		R=	ft <sup>2</sup>	b. Conse	ervation features	21.0.020							
						None							
				17. Credit	S	CF, Pstat							
Glass/Floor Area: 0	180	Total Dr	oposed Modifie	d Loade.	19.91								
Giass/Fidul Alea. U	. 100	i Ulai Pi	Total Baselir		22.58	PASS							
I be make a seattle of the	41	: <i>C</i> : <i>C</i> :											
I hereby certify that this calculation are					he plans and ns covered by this	OF THE STATE							
Code.	compliance wit	ii uit i lullua l	_nergy		indicates compliance	A COM							
		$\supseteq$		with the Flo	orida Energy Code.	5/10/21							
PREPARED BY: _	()				struction is completed	GREAT							
DATE:	8-29-23				g will be inspected for with Section 553.908	S A							
DAIE			<del></del>	Florida Stat		* * *							
I hereby certify that	this building, as	designed, is in	compliance	1 101144 0141		A CONTRUST							
with the Florida En	ergy Code.	-	•			OD WE IN							
OWNER/AGENT:					OFFICIAL:								
DATE:				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 4.73 ACH50 (R402.4.1.2).

# FORM R405-2022S INPUT SUMMARY CHECKLIST REPORT

					PRO	JEC1	-							
Own Build Build Perm Juris Fami New Year	ing Type: User			Total Sto Worst Ca Rotate A Cross Ve	ned Area: ories: ase: .ngle: entilation: ouse Fan	1 No 0 n: Rur		Lot #: Block PlatB Stree Coun City,	/SubDivisi ook: t:	on:  colum	columbia			
					CLIN	IATE								
V Des	ign ation		Tmy Site		Des 97.5%	sign Ten 6 2.5		nt Desigr Winter S		Heating Degree D	-	Design Moisture	Dai Rar	ly temp nge
FL	., Gainesville	1	FL_GAINESVILLE_	_REGION	A 32	9.	2	70	75	1305.5		51	Mediu	ım
					BLO	CKS								
√ Nun	nber	Name	Area	Vo	lume									
1		Block1	456	36	48 cu ft									
					SPA	CES								
√ Nun	nber	Name	Area	Volume	Kitchen	Occ	upants	Bedro	ooms	Finishe	d	Coole	ed H	eated
1		Main	456	3648	Yes		1	1		Yes		Ye	S	Yes
					FLO	ORS		(	(Total E	xpose	d Are	ea = 4	56 sq	.ft.)
<b>/</b> #	Floor Type	е	Space	Exposed	Perim	Perimet	er R-Valı	ue Area	U-Facto	or Joist R-	-Value	Tile V	Vood	Carpet
1	Floor over G	Sarage	Main	-				456 f	t 0.038	3 3	0	0.20	0.50	0.30
					RO	OF								
<b>√</b> #	Туре		Materials		Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
1	Hip	C	Composition shingle	es 4	170 ft²	0 ft²	Dark	N	0.92	No	0.9	No	0	14.04
					AT	TIC								
<b>V</b> #	Туре		Ventilation		Vent I	Ratio (1	in) A	\rea	RBS		IRCC			
1	Full attic		Vented			300	4	56 ft²	N		N			
					CEIL	LING			(Total E	xpose	d Are	ea = 4	56 sq	.ft.)
<b>V</b> #	Ceiling Ty	/ре	:	Space	R-V	'alue	Ins. Type	Are	a U-F	actor Fr	aming	Frac.	Truss	з Туре
1	Flat ceiling	under attic(Vented)		Main	30	0.0	Blown	456.0	Oft² 0.0	053	0.11		W	pod

## **INPUT SUMMARY CHECKLIST REPORT**

WALLS (Total Exposed Area = 756 sq.ft.)													ft.)					
<b>\sqrt</b> #	Orr		jacent To	Wall Type		Space			avity ·Value	Width Ft In		Height Et In	Area sq.ft.	U- Factor	Sheath R-Value		Solar Absor.	Below Grade
3	2 E 3 S	E Exterior Frame - Wood S Exterior Frame - Wood				M M	ain ain ain ain		13.0 13.0 13.0 13.0	18.0 0 24.0 0 18.0 0 24.0 0	9	0.0 0 0.0 0 0.0 0	162.0 216.0 162.0 216.0	0.094 0.094		0.23 0.23 0.23 0.23	0.75 0.75 0.75 0.75	0 % 0 % 0 % 0 %
<b>DOORS</b> (Total Exposed Area = 20 sq.ft.)																		
<b>\sqrt</b>	# Ornt Adjacent To Door Type S					Space	Space Storms				U	Width U-Value Ft I				eight In	Area	
1	1 N	N Exterior Insulated Ma				Main	ı		No	one		0.40	3.00	0 0	6.00 8 20.0ft <sup>2</sup>			Oft²
WINDOWS (Total Exposed Area = 82 sq.ft.)													ft.)					
<b>V</b> #	Orr	Wall nt ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Storm	Total Area (ft²)	Same Units	Width (ft)	Height (ft)	Overh Depth (ft)	•	Interior	Shade	Screen
2 3 4 5	N N E S W	1 1 2 2 3 4	Vinyl Vinyl Vinyl Vinyl	Low-E Double Low-E Double Low-E Double Low-E Double Low-E Double Low-E Double	Y Y Y Y Y	0.26 0.26 0.26 0.26 0.26 0.26	0.20 0.20 0.20 0.20 0.20 0.20	X	N N N N N	15.0 9.0 9.0 4.0 30.0 15.0	1 1 1 1 2	3.00 3.00 3.00 4.00 3.00 3.00	5.00 3.00 3.00 1.00 5.00 5.00	1.5 1.5 1.5 1.5 1.5	2.3 2.3 2.3 2.3 2.3 2.3 2.3	Noi Noi Noi Noi Noi	ne ne ne ne	None None None None None
							INF	ILT	RAT	ION								
<b>V</b> #	Sco	ре	M	ethod	S	LA (	CFM50 ELA EqLA			ACH ACH50 S			0 Spac	pace(s) Infiltration Test Volu			: Volume	
1	1 V	/holeho	use Pro	posed ACH(50)	0.00	0.00024 288		8 15.78		29.62	0.0927		4.7 All		I	3648 cu ft		
							(	GAI	RAG	E								
<b>/</b> #			Floor Area	a F	Roof Are	a	Exp	oseo	d Wall P	erimeter		Avg	. Wall He	eight	Exposed Wall Insulation			
1	1		456 ft <sup>2</sup>		456 ft <sup>2</sup>		84 ft						9 ft		1			
								M	ASS									
<b>/</b> #	√ # Mass Type Area							Т	hicknes	ss	Furr	niture Fra	action	5	Space			
1 Default(8 lbs/sq.ft.) 0 ft²							0 ft					0.30 Main						
						ŀ	HEAT	IN	G SY	STEN	/							
<b>V</b> #	# System Type				ubtype/Speed AHI			RI# Efficiency			CapacityGe kBtu/hr Entry		Geothermal HeatPum Power Volt C					
1	1 E	lectric I	Heat Pump	0	None/S	ingle			HSPF	2: 7.80	24.0	)	(	0.00	0.00	0.00 sy	ys#1	1

#### FORM R405-2022S

## **INPUT SUMMARY CHECKLIST REPORT**

						CC	OLII	NG SY	STEM						
$\overline{\ }$	#	System Type	em Type Subtype/Speed			d	AHRI # Efficiency			Capaci kBtu/h	,	ir Flow cfm			Block
	_ 1	Central Unit		None/Single				SEE	R2:16.0	24.0		720	0.85	sys#1	1
Г	HOT WATER SYSTEM														
abla	# System Type Subtype Locatio				Location		EF(UE	F) Ca <sub>l</sub>	) Us	Use SetPnt		e Flow	Pipe Ins.	Pipe	elength
	_ 1	Electric	None		Garage		0.92 (0.	.92) 50.00	gal 40 (	gal 120 de	eg Star	ndard	None		99
		Recirculation Recirc Control System Type			Loop length	Brand lengt		•	HR Facil Conne		ual ow	DWHR Eff	Othe	r Credits	
	_ 1	No				NA	NA	NA	No	N	A N	IA	NA	Non	е
							D	UCTS							
$\checkmark$	Duct #		ply R-Value Ai	rea Loc	Reteation I	urn R-Value		Leakag	е Туре	Air Handler	CFM 25 TOT	CFM 25 OUT	5 QN		HVAC # eat Cool
_	_ 1 A	attic	6.0 86 ft	t² Attic		6.0	22 ft²	Default l	eakage.	Garage	(Default)			1 1	
						TI	EMPI	ERATU	JRES						
	Progr Cooli Heati Venti	ng [X] Jan	ostat: Y [] Feb [X] Feb [] Feb	[ ] Mar [X] Mar [X] Mar	[ ] Apr [ ] Apr [X] Apr	[] N [] N []	/lay /lay	Fans: N [X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul	[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep	[]0 []0 [X]0	ct [X	] Nov (] Nov (] Nov	[] Dec [X] Dec [] Dec
$\checkmark$		ermostat Sched nedule Type	ule: HERS 2	2006 Refere 1	ence 2	3	4	5	6	Hours 7	8	9	10	11	12
_	_ Co	oling (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
-	_ Co	oling (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
-	_ He	ating (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
	_ He	ating (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