## FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

	ional Regulation - Residential Performance Method
Project Name: Malak Ali Street: City, State, Zip: LAKE CITY, FL, Owner: Malak Ali Design Location: FL, Tallahassee	Builder Name: chrisMill Homes of Florida Permit Office: COLUMBA BUILDING DEPARTMENGT Permit Number: Jurisdiction: COLUMBA County: Columbia(Florida Climate Zone 2)
The American State Section Control of the American Section Con	
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(110.3 sqft.) Description a. U-Factor: BHGC: CHARLES NAME (From Plans)  Attached  Attached  Attached  Attached  Attached  Attached  10  Attached  A	a. Frame - Wood, Exterior R=19.0 1437.00 ft <sup>2</sup> b. N/A c. N/A d. N/A 11. Ceiling Types(1564.0 sqft.) Insulation Area a. Flat ceiling under att (Vented) R=38.0 1564.00 ft <sup>2</sup> b. N/A c. N/A 12. Roof(Comp. Shingles, Vented) Deck R=0.0 1811 ft <sup>2</sup> 13. Ducts, location & insulation level R ft <sup>2</sup> a. Sup. Attic, Ret: Attic, AH: Attic 8 313 b.
c. U-Factor: N/A ft SHGC: Area Weighted Average Overhang Depth: 0.000 ft Area Weighted Average SHGC: 0.310	c. 14. Cooling Systems kBtu/hr Efficiency a Central Unit 18.6 SEER2:14.30
8. Skylights Description Area U-Factor:(AVG) N/A N/A ft SHGC(AVG): N/A	15. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 23.2 HSPF2:14.20
C VINCOU	16. Hot Water Systems a. Electric Cap: 40 gallons EF: 0.920 b. Conservation features  None 17. Credits Pstat
Glass/Floor Area: 0.071 Total Proposed Mo	dified Loads: 39.37
Total Ba	seline Loads: 39.72 PASS
I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.  PREPARED BY: Charles Seem  DATE: 8-20-23  I hereby certify that this building, as designed, is in compliant with the Florida Energy Code.  OWNER/AGENT: Seems Seeles Seems  DATE: 8-20-23	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.

- 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 5.99 ACH50 (R402.4.1.2).

## INPUT SUMMARY CHECKLIST REPORT

					PRO	JEC.	Т							
Own Build Build Pern Juris Fam New Year	ding Type:	Malak Ali User Malak Ali chrisMill Homes COLUMBA BUIL COLUMBA Attached New (From Plans 2023	DING DEPARTMEN	Bedroom Condition Total Stol Worst Ca Sirotate Ar Cross Ve Whole Ho Terrain: Shielding	ed Area ries: ase: ngle: ntilation: ouse Far	1 No 0 n: Sul	54 ourban ourban	Lot #: Block/ PlatBo Street Count	SubDivis ook: :	Co	lumbia KE CITY	, ,		
		9			CLII	VIATE	:							
/ Des	sign ation		Tmy Site		De 97.5	sign Tem % 2.5		Int Design Winter St		Heati Degree		Desig Moistur		aily temp ange
FL	., Tallahassee		FL_TALLAHASSEE	_REGION	IA 28	9	4	70	75	1545		46	Med	lium
					BLC	CKS								
Nur	mber	Name	Area	Vol	ume			A)		- 124g	10			
1		Block1	1564	140	)76 cu ft		North Control of Laboratory							
					SPA	CES								
Nun	nber	Name	Area	Volume	Kitcher	Occ	cupants	Bedroo	oms	Finish	ned	Co	oled	Heated
1		Main	1564	14076	Yes		4	3	51 Juliu A.A	Yes		Y	'es	Yes
					FLC	ORS		(T	otal E	xpose	d Are	a = 1	564 sc	q.ft.)
/#	Floor Type	•	Space	Exposed I	Perim	Perimet	er R-Valu	іе Агеа	U-Facto	r Joist	R-Value	Tile	Wood	Carpet
1	Slab-On-Gra	ade Edge Ins	Main	160	ס	0		1564 ft	0.710	)	-	1.00	0.00	0.00
					RC	OF					****			
/#	Туре		Materials		oof rea	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul	
1	Hip.		Composition shingles	s 18 <sup>-</sup>	11 ft²,	0 ft²	Light	N	0.96	No	0.9	No	0	30.26
					AT	TIC								
/#	Туре		Ventilation		Vent	Ratio (1 i	n) A	Area	RBS		IRCC			
1	Full attic		Vented	3,000		300	15	64 ft²	N		N			
					CEI	LING		(To	otal Ex	pose	d Are	a = 1:	564 sc	į.ft.)
/#	Ceiling Typ	oe .	S	Space	R-\	/alue	ns. Type	Area	U-F	actor I	Framing	Frac.	Trus	s Type
	51-1 III	nder attic(Vented)		Main		3.0	Blown	1564.01		024	0.11			Vood

## INPUT SUMMARY CHECKLIST REPORT

								W	ALLS	3		(	Tota	al Exp	osed	Are	a = 1	437	sq.	ft.)
<b>/</b> #	Orn	Adj	acent To	Wall Type		Space			Cavity R-Value	Width Ft I	n	Hei	ight In	Area	Yatini	She	ath F	rm.	Solar	Below
	S S S E N	!	Exterior Exterior Exterior Exterior	Frame - Wood Frame - Wood Frame - Wood Frame - Wood		N N	Aain Aain Aain Aain		19.0 19.0 19.0 19.0	34.0 40.0	4 2 8 6	9.0 9.0 9.0 9.0	0 0 0	417.0 307.5 366.0 346.5	0.06	1 1	0.	23 23 23 23	0.75 0.75 0.75 0.75	0 % 0 % 0 %
								DO	OORS	3			(T	otal E	xpos	ed A	rea:	= 73	3 sq.	ft.)
<b>/</b> #	Orni		Adjacent <sup>*</sup>	To Door Type		Space			Stor	ms		U-V	alue		Vidth Ft In		Heigh Ft Ir		Ar	ea
1 3	W S E		Exterior Exterior Exterior	Insulated Insulated Insulated		Mair Mair Mair	1		W	ood ood ood		0	.46 .46 .46	3.00 2.00 5.00	8 0	6.0 6.0	00	8 8 8	20. 17. 35.	8ft²
							V	VIN	IDOV	/S			(To	tal Ex	pose	d Are	ea =	110	) sq.	ft.)
√#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Storm	Total Area (ft²)	Sar Uni		Vidth (ft)	Height (ft)	Over Depth (ft)	rhang Sep. (ft)		rior S	hade	Screen
$\frac{-2}{-3}$	W S E E	1 2 3 3 3	Wood Vinyl Vinyl Vinyl Vinyl	Low-E Double Low-E Double Low-E Double Low-E Double Low-E Double	Y Y Y Y	0.35 0.35 0.35 0.35 0.35	0.31 0.31 0.31 0.31 0.31	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Y Y Y Y	64.0 17.8 9.0 15.5 4.0	4 1 1 1		2.67 2.67 3.00 3.00 4.00	6.00 6.67 3.00 5.17 1.00	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	IE IE	CC 20 CC 20 CC 20 CC 20 CC 20	012 012 012	None None None None None
							INF	IL.	TRAT	ION	pater -	***************************************								
<b>/</b> #	Scor	oe .	Met	hod	S	LA (	CFM50		ELA	EqL	A	AC	Н	ACH5	0 Spa	ce(s)	Infi	Itratio	n Test	Volume
1	1 Wholehouse Proposed ELA			posed ELA	0.00034 1405			50	77.23 144.73			0.1200 6.0			А	All 14076 cu ft				
			/200 - 197 E					M	ASS											
<b>/</b> #	Ma	ass Typ	е		Α	rea			Thicknes	s	F	urnitu	re Fra	ction	3	Space				
_1	De	efault(8	lbs/sq.ft.)	1	0	ft²			0 ft			(	0.30			Main	6/100			
						ŀ	HEAT	IN	G SY	STEI	VI									
<b>V</b> #	Sy	stem Ty	/pe	Si	ubtype/	Speed	AHR	l #	Effic	iency		pacity tu/hr	En	—Geoth try P	ermal H		np Curre	Due	ots	Block
1	Ele	ectric H	eat Pump		None/S	ingle	20483	7570	) HSPF2	: 14.20	2	3.2		C	0.00	0.00	0.00	sys	#1	1
			and the state of t			C	COOL	IN	G SY	STE	M									
<b>/</b> #	Sy	stem T <sub>)</sub>	/pe	Sı	ubtype/Speed AHRI		#	# Efficiency			Capacity kBtu/hr				9	SHR	Du	ct I	Block	
1	Ce	ntral Ur	nit		None	/Single	204837	570	SEE	R2:14.3	1	8.6	2000		720	7 1	0.75	sys	#1	1

## FORM R405-2022S INPUT SUMMARY CHECKLIST REPORT

					HO	<b>WATE</b>	R SYS	STEM						
/#	System Type	Subtype		Location	1	EF(UEF)	Сар	Use	SetPnt	Fixture	Flow	Pipe Ins	s. Pi	pe length
1	Electric	None		Main	Main		40.00 gal	60 gal	120 deg	Stan	dard	None		99
Recirculation System		Rec	irc Control Type		Loop length	Branch length	Pump power	DWHR	Facility Connec			DWHR Eff	? Oth	er Credits
_1	No				NA	NA	NA	No	NA	N/	4	NA	No	ne
				_		DU	CTS							
/ Duc #	THE COURSE WAS SETTING		Area Loc		turn R-Value		_eakage Ty	pe	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF	HVAC #
1 A	Attic	8.0 313	ft² Attic		8.0	78 ft² D	efault Leak	age	Attic	(Default) (	Default)			1 1
					TI	EMPER	ATURI	ES						
Progr Cooli Heati Venti	ng [X] Jan	stat: Y [] Feb [X] Feb [] Feb	[] Mar [X] Mar [X] Mar	[]Apr []Apr [X]Apr	[] N [] N	1ay [].	Jun [X Jun [	] Jul	[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep	[] Oct [] Oct [X] Oc	į	] Nov X] Nov X] Nov	[] Dec [X] Dec [] Dec
/ The	ermostat Schedu nedule Type	le: HERS 2	2006 Referen 1	ice 2	3	4	5	Hour 6	rs 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
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
Hea	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	
	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