FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

•		1 10103310116	ai Regulation - Residential P	enormance wethou						
Project Name:	J-10251 - C-2606		Builder Name:							
Street:	672 SW MAGNOLIA LN		Permit Office:							
City, State, Zip: Owner:	FORT WHITE, FL, 32038		Permit Number: Jurisdiction:							
Design Location:	FL, Gainesville			a Climate Zone 2)						
1. New construction	n or existing New (F	rom Plans)	10. Wall Types(1359.0 sqft.)	Insulation Area						
2. Single family or r	multiple family	Detached	a. Concrete Block - Ext Insul, Extb. N/A	terior R=5.0 1359.00 ft ²						
3. Number of units,	if multiple family	1	c. N/A							
4. Number of Bedro	ooms	3	d. N/A	la sulstian Ansa						
5. Is this a worst ca	se?	No	 Ceiling Types(1428.0 sqft.) Flat ceiling under att (Vented) 	Insulation Area R=30.0 1428.00 ft ²						
	r area above grade (ft²) r area below grade (ft²)	1428 0	b. N/A c. N/A							
7. Windows(147.1		Area	12. Roof(Comp. Shingles, Vented							
a. U-Factor:	Dbl, U=0.35	147.11 ft ²	13. Ducts, location & insulation lev							
SHGC: b. U-Factor:	SHGC=0.25 N/A	ft ²	a. Sup: Attic, Ret: Attic, AH: Mairb.	n 6 200						
SHGC:	14// (C.							
c. U-Factor:	N/A	ft ²	14. Cooling Systems	kBtu/hr Efficiency						
SHGC:			a. Central Unit	23.6 SEER2:15.20						
	erage Overhang Depth:	0.000 ft 0.250								
Area Weighted Av	-		15. Heating Systems	kBtu/hr Efficiency						
8. Skylights	Description	Area N/A ft ²	a. Electric Heat Pump	23.6 HSPF2:7.50						
U-Factor:(AVG) SHGC(AVG):	N/A N/A	IN/A II	γ							
9. Floor Types	Insulation	Area								
a. Slab-On-Grade		1428.00 ft ²	16. Hot Water Systems a. Electric	Cany 40 gallons						
b. N/A	R=	ft ²	a. Electric	Cap: 40 gallons EF: 0.950						
c. N/A	R=	ft ²	b. Conservation features	21 . 0.000						
				None						
			17. Credits	Pstat						
Glass/Floor Area: 0.	.103 Total F	Proposed Modifie	ed Loads: 36.84	D4.00						
		Total Baselir	ne Loads: 41.99	PASS						
I hereby certify that	the plans and specifications co	overed by	Review of the plans and	CHE CT						
	n compliance with the Florida	Energy	specifications covered by this	OF THE STATE						
Code.			calculation indicates compliance with the Florida Energy Code.							
PREPARED BY:	David Marrs		Before construction is completed this building will be inspected for	OLINO						
DATE:			compliance with Section 553.908 Florida Statutes.	O A						
I hereby certify that with the Florida Ene	this building, as designed, is in	compliance	i ionua Otatutes.	GOD WE TRUST						
	rgy Code.		BUILDING OFFICIAL:							
DATE:			DATE:							
- Compliance regu	uires certification by the air b	andler unit ma	l nufacturer that the air handler encl	osure qualifies as						

- 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 6.00 ACH50 (R402.4.1.2).

FORM R405-2022S INPUT SUMMARY CHECKLIST REPORT

					PRO.	JECT							
Build Own Build Build Perm Juris Fami New Year	Title: J-10251 - C-2606 Building Type: User Owner: Builder Home ID: Builder Name: Permit Office: Jurisdiction: Family Type: Detached New/Existing: New (From Plans) Year Construct: Comment:			Bedrooms: Conditioned Ar Total Stories: Worst Case: Rotate Angle: Cross Ventilati Whole House I Terrain: Shielding:			Lot # Block PlatE Stree Cour	k/SubDivisi Book: et:	on: 672 SW M columbia FORT WH	 672 SW MAGNOLIA LN			
					CLIN	IATE							
Des	ign ation		Tmy Site		Des 97.5%	ign Temp 2.5%	Int Desig Winter		Heating Degree Days	Desiç Moistur		ily temp nge	
FL	, Gainesville		FL_GAINESVILLE_	REGIONA	32	92	70	75	1305.5	51	Medi	um	
					BLO	CKS							
√ Nun	nber	Name	Area	Volu	ume								
1		Block1	1428	114	24 cu ft								
					SPA	CES							
√ Nun	nber	Name	Area	Volume	Kitchen	Occupants	s Bedr	ooms	Finished	Co	oled I	Heated	
1		Main	1428	11424	Yes	2	3	3	Yes	Υ	'es	Yes	
					FLO	ORS	(Total Ex	xposed Ar	ea = 1	428 sc	ı.ft.)	
/ #	Floor Type	е	Space	Exposed I	Perim	Perimeter R-V	alue Area	U-Facto	or Joist R-Valu	e Tile	Wood	Carpet	
1	Slab-On-Gra	ade Edge Ins	Main	151		0	1428	ft 0.304	1	0.00	0.00	1.00	
					RO	OF							
\ #	Type		Materials		oof ea	Gable Roof Area Colo		Solar Absor.	SA Emit Tested	t Emitt Tested	Deck I Insul.		
1	Hip	(Composition shingle	s 154	17 ft²	0 ft ² Mediu	m N	0.9	N 0.9	No	0	22.62	
					AT	TIC							
/ #	Туре		Ventilation		Vent F	Ratio (1 in)	Area	RBS	IRCO				
1	Full attic		Vented			150	1428 ft²	N	N				
					CEIL	ING	(Total E	xposed Ar	ea = 1	428 sc	ı.ft.)	
/ #	Ceiling Ty	rpe		Space	R-V	alue Ins. Ty	pe Are	ea U-F	actor Framin	g Frac.	Trus	s Type	
1	Flat ceiling u	under attic(Vented))	Main	30	0.0 Blow	n 1428	.0ft² 0.	053 0.	10	W	/ood	

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								WAI	LLS	3		(Tota	al Exp	osed	Area	= 13	59 sq.	.ft.)
\ #	Ornt		acent To	Wall Type		Space	e	Cavi R-Va	•	Width Ft		Hei Ft	ght In	Area sq.ft.	U- Factor	Sheat R-Valu		ı. Solar c. Absor	Below Grade
	1 N 2 E 3 S 4 W		Exterior Exterior Exterior Exterior	Conc. Blk - Conc. Blk - Conc. Blk - Conc. Blk -	Ext Ins Ext Ins	N	Лаіп Лаіп Лаіп Лаіп	5. 5. 5. 5.	0 0	41.0 34.0 41.0 34.0	6 0 6 0	9.0 9.0 9.0 9.0	0 0 0	373.5 306.0 373.5 306.0	0.117 0.117	0	0 0 0	0.80 0.80 0.80 0.80	0 % 0 % 0 % 0 %
								DOC	DRS	5			(T	otal E	xpose	ed Ar	ea =	40 sq.	.ft.)
/ #	/# Ornt Adjacent To Door Type			Space			Storms		U-Value			Width Ft In		Height Ft In		Area			
	1 N 2 S		Exterio Exterio			Mai Mai			No No				.39 .39	3.00 3.00		6.00 6.00			.1ft² .1ft²
							V	VIND	OW	/S			(То	tal Ex	posed	d Area	a = 1	47 sq.	.ft.)
/ #	Ornt	Wall : ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp S	torm	Total Area (ft²)		Same V Jnits	Vidth (ft)	Height (ft)	Overh Depth (ft)		Interio	r Shade	Screen
2 3 4 5	n e s s s w	1 1 2 3 3 4 4	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	0.35 0.35 0.35 0.35 0.35 0.35 0.35	0.25 0.25 0.25 0.25 0.25 0.25 0.25	N N N N N N	N N N N N N N N N N N N N N N N N N N	60.0 14.6 9.0 40.2 12.0 6.0 5.3		1 1 1 1	3.00 2.92 3.00 6.00 4.00 2.00 4.00	5.00 5.00 3.00 6.67 3.00 3.00 1.33	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	No No No No	one one one one one one one	None None None None None None
							INF	ILTF	RAT	ION									
/ #	Sco	ре	М	ethod	S	LA	CFM50	EL	Α.	Eql	-A	AC	СН	ACH5	0 Spac	e(s)	Infiltra	ation Tes	st Volume
	1 W	holeho	use Pro	posed ACH(50)	0.0	0030	1142	62.	68	117	67	0.1	176	6.0	A	II	1142	4 cu ft	
<u> </u>								MA	SS										
/ #	M	ass Ty _l	oe .		А	rea		Thi	cknes	s		Furnitu	re Fra	ection		Space			
_	1 De	efault(8	lbs/sq.ft.))	0	ft²			0 ft				0.30			Main			
							HEAT	ING	SY	STE	M								
#	Sy	∕stem ٦	Гуре		Subtype/	Speed	AHR	l #	Effici	ency		Capacity kBtu/hr		Geoth ntry Po	ermal H ower	eatPum Volt (Ducts	Block
_	1 EI	ectric F	leat Pump	p	Split/Si	ingle		ŀ	HSPF2	2: 7.50		23.6		C	0.00	0.00	0.00	sys#1	1
<u> </u>						(COOL	ING	SY	STE	M								
\frac{\psi}{\psi}	Sy	∕stem ٦	Гуре		Subtype/	Speed	AHR	l #	Effi	iciency			apacity Btu/hr		Air Flow cfm	S	HR	Duct	Block
	1 Ce	entral L	Jnit		Split/	'Single			SEE	R2:15	2	23.6			0	0	.70	sys#1	1

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					НОТ	WAT	ER SY	STEM								
/ #	System Type	Гуре Subtype		Location		EF(UEF)	Сар	Use	SetPnt	Fixture	Flow F	Pipe Ins	. Pip	Pipe length		
1	_ 1 Electric None		Main		0.95 (0.93) 40.00 ga	l 60 gal	60 gal 120 deg		lard	None		99			
Recirculation Recirc Control System Type				Loop length	Branch length	Pump power	DWHR	Facilition Connec			DWHR Eff	Othe	er Credits			
1	_1 No				NA	NA NA		No	NA	NA		NA	No	ne		
						DU	CTS									
V Duc		ply R-Value A	rea Loc	Retration I			Leakage T	уре	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF H	HVAC # Heat Cool		
1	Attic	6.0 200	ft ² Attic		6.0	100 ft²	Prop. Leak	Free	Main			0.03	0.50	1 1		
					Т	EMPE	RATUF	RES								
Prog Cool Hear Vent	ing [X] Jan	ostat: Y [] Feb [X] Feb [] Feb	[] Mar [X] Mar [X] Mar	[] Apr [] Apr [X] Apr	1 [] 1 []	May [∶] Jun] Jun	[X] Jul [] Jul [] Jul	[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep	[] Oc [] Oc [X] Oc	t [>] Nov K] Nov K] Nov	[]Dec [X]Dec []Dec		
	ermostat Sched hedule Type	ule: HERS 2	2006 Refere 1	ence 2	3	4	5	Hou 6	rs 7	8	9	10	11	12		
Co	poling (WD)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78		
Co	poling (WEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78		
He	eating (WD)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66		
He	eating (WEH)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66			