FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

ProjectName: Housecraft Altman Street: City, State, Zip: , FL , Owner: Altman DesignLocation: FL, Gainesville	Builder Name: Housecraft Homes Permit Office: Permit Number: Jurisdiction: County: Columbia (Florida Climate Zone 2)
New construction or existing New (From Plans) Single family or multiple family Number of units, if multiple family Number of Bedrooms Sist this a worst case? No Conditioned floor area above grade (ft²) Conditioned floor area below grade (ft²) Windows (298.3 sqft.) Description	10. Wall Types(1705.3 sqft.) a. Concrete Block - Int Insul, Exterior b. Frame - Wood, Adjacent c. N/A d. N/A 11. Ceiling Types (2200.0 sqft.) a. Under Attic (Vented) b. N/A c. N/A R = ft² c. N/A R = ft² lnsulation R = 30.0 2200.00 ft² b. N/A R = ft² c. N/A R = ft²
a. U-Factor: Dbl, U=0.40 298.33 ft² SHGC: SHGC=0.20 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 1.500 ft. Area Weighted Average SHGC: 0.200 8. Skylights Area c. U-Factor:(AVG) N/A ft² SHGC(AVG): N/A 9. Floor Types (2200.0 sqft.) Insulation Area a. Slab-On-Grade Edge Insulation R=0.0 2200.00 ft² b. N/A R= ft²	a. Sup: Attic, Ret: Attic, AH: Garage 6 220 13. Cooling systems kBtu/hr Efficiency 39.0 SEER:14.00 14. Heating systems kBtu/hr Efficiency 39.0 HSPF:8.20 15. Hot water systems a. Electric Cap: 40 gallons EF: 0.920 b. Conservation features None
c. N/A R= ft ²	16. Credits CF, Pstat
Glass/Floor Area: 0.136 Total Proposed Modif	PA33
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.
- 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).

				PROJE	СТ							
Title: Building T Owner Na # of Units: Builder Na Permit Off Jurisdictic Family Typ New/Exist Comment	ime: Altman : 1 ame: Housecraft Hon fice: on: pe: Detached ting: New (From Plar	nes	Bedrooms: Conditione Total Storie Worst Case Rotate Ang Cross Vent Whole Hou	dArea: es: e: le: ilation:	3 2200 1 No 0		Lot # Block PlatB Stree Cour	√Subdivis Book: et:	sion: C	treet Addre	ess	
				CLIMA	TE							
\checkmark	DesignLocation	TMY Site		97.	esign Temp .5 % 2.5 %	Winte	sign Tem r Summ	ner Deg	leating greeDay		e Ra	/Temp ange
	FL,Gainesville	FL_GAINESVILLE	E_REGI		32 92	70	75	1	305.5	51	М	edium
				BLOC	KS ———							
Number		Area	Volume									
1	Block1	2200	17600									
				SPAC	ES							
Number		Area		Kitchen	Occupants	Bedrooi			Finishe			Heat
1	Main	2200	17600	Yes	3	3	1		Yes	Yes		Yes
				FLOO	RS ———							
	# FloorType	Space		meter	R-Value	Area					ood Ca	
	1 Slab-On-Grade Edge	insulation iv	lain 217		0	2200 ft ²				0.22 0.	22 0	.56
				ROO								
$\sqrt{}$	# Type	Materials	Roof Area	Gable Area		Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pito (de
	1 Hip	Compositionshing	les 2460 ft²	0 ft²	Medium	N	0.96	No	0.9	No	0	26.5
				ATTI	С							
	# Type	Venti	lation	Vent Rati	o (1 in)	Area	RBS	IR	CC			
	1 Full attic		nted	150		2200 ft ²	N		N			
				CEILIN	NG							
$\sqrt{}$	# Ceiling Type		Space	R-Value	e Ins Ty	pe	Area	Frar	ming Fra	c Truss	Туре	
	1 Under Attic (Ver	nted)	Main	30	Blowr	1 2	2200 ft ²		0.11	We	ood	

INPUT SUMMARY CHECKLIST REPORT

ORM	R405-	2020			INPUT SU	<u>JMMA</u>		CKL ALLS	IST R	EPORT					
V #	# Orn		Adjace	nt Wall	Tuno	Space	Cavity R-Value	Wid		Height Ft In	Area	Sheathing	Framing Fraction	Solar	Below Grade ⁹
/			arage		ne - Wood	Main	R-value			гі — ІІ	Area 170.7 ft²	K-value		0.15000	
2			xterior	Con	crete Block - Int Insul	Main	5	40	5	8	323.3 ft ²		0	0.150000	
3	s W	E	xterior	Con	crete Block - Int Insul	Main	5	41	10	8	334.7 ft ²		0	0.150000	
4	N	Е	xterior	Con	crete Block - Int Insul	Main	5	61	9	8	494.0 ft ²		0	0.150000	0 0
5	E	Е	xterior	Con	crete Block - Int Insul	Main	5	47	10	8	382.7 ft ²		0	0.150000	0 0
							DO	ORS							
$\sqrt{}$	#		Ornt		DoorType	Space			Storms	U-Valı	ıe F	Width t In	Heigh Ft	t In	Area
	_ 1		S		Insulated	Main			None	.46	3	3	6	8 2	20 ft²
	_ 2		S		Insulated	Main			None	.46	3	3	6	8 2	20 ft²
	_ 3		N		Insulated	Main			None	.46	1		6	8 6	6.7 ft ²
					Orie	ntation sh	WIN I nown is the er	DOWS		orientation.					
/			Wall					,			Ove	rhang			
<u> </u>	#	Ornt	ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Depth	Separation	Int Sha	ade S	Screenir
	_ 1	S	2	Vinyl	Low-E Double	Yes	0.4	0.2	N	60.0 ft ²	1 ft 6 in	1 ft 6 in	Drapes/l	olinds	None
	_ 2	S	2	Vinyl	Low-E Double	Yes	0.4	0.2	N	12.0 ft ²	1 ft 6 in	1 ft 6 in	Drapes/l	olinds	None
	_ 3	W	3	Vinyl	Low-E Double	Yes	0.4	0.2	Ν	3.0 ft ²	1 ft 6 in	1 ft 6 in	Drapes/l	olinds	None
	_ 4	W	3	Vinyl	Low-E Double	Yes	0.4	0.2	N	30.0 ft ²	1 ft 6 in	1 ft 6 in	Drapes/l	olinds	None
	_ 5	W	3	Vinyl	Low-E Double	Yes	0.4	0.2	N	20.0 ft ²	1 ft 6 in	1 ft 6 in	Drapes/l	olinds	None
	_ 6	Ν	4	Vinyl	Low-E Double	Yes	0.4	0.2	N	60.0 ft ²	1 ft 6 in	1 ft 6 in	Drapes/l	olinds	None
	. 7	Ν	4	Vinyl	Low-E Double	Yes	0.4	0.2	N	30.0 ft ²	1 ft 6 in	1 ft 6 in	Drapes/l	olinds	None
	. 8	Ν	4	Vinyl	Low-E Double	Yes	0.4	0.2	N	33.3 ft ²	1 ft 6 in	1 ft 6 in	Drapes/l	olinds	None
	9	Е	5	Vinyl	Low-E Double	Yes	0.4	0.2	N	30.0 ft ²	1 ft 6 in	1 ft 6 in	Drapes/l	olinds	None
	_ 10	Е	5	Vinyl	Low-E Double	Yes	0.4	0.2	N	20.0 ft ²	1 ft 6 in	1 ft 6 in	Drapes/l	olinds	None
							GAF	RAGE							
\vee	#		Floo	rArea	Ceiling Ar	ea	Exposed	Nall Peri	meter	Avg. W	all Height	Expos	ed Wall Ins	sulation	
	_ 1		446.	25 ft²	446.25 ft	2	(64 ft		8	ft		1		
							INFILT	RATIO	N						
#	Scope		N	lethod	SL	.A	CFM 50	ELA	E	EqLA	ACH	ACI	Ⅎ 50		
1 W	holehou	ise	Propo	sed AC	H(50) .00025	54	1466.7	80.47	1:	51.07	.098		5		

INPUT SUMMARY CHECKLIST REPORT

					HEA	TING SY	STEM							
$\sqrt{}$	#	System Type		Subtype	Sp	eed	Efficiency	y Ca _l	oacity			Block	Ducts	
	1	Electric Heat Pu	ımp/	None	Sir	ngle	HSPF:8.2	2 39 k	Btu/hr			1	sys#1	
					COO	LING SY	STEM							
\vee	#	System Type		Subtype	Su	btype	Efficiency	Capacity	Air F	low :	SHR	Block	Ducts	
	1	Central Unit/		None	Sir	ngle	SEER: 14	39 kBtu/hr	1170	cfm	0.75	1	sys#1	
					HOT V	VATER S	YSTEM							
\vee	#	System Type	SubType	Location	on EF	C	Сар	Use	SetPnt		Co	nservatio	n	
	1	Electric	None	Garag	e 0.92	2 40	gal gal	60 gal	120 deg			None		
				S	OLAR HO	T WATE	R SYSTE	EM						
\checkmark	FSEC Cert # CompanyName				System Model #			Collector Stora Collector Model # Area Volu					-	
	None	None								ft²				
						DUCTS								
\checkmark	#	Suր Location F	oply R-Value Area	 Locat	Return ion Area	Leak	ageType	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC Heat Co	
	1	Attic	6 220 ft ²	Atti			ıltLeakage	Garage	(Default)	c(Default)) C		1 1	
					TEN	IPERATU	JRES							
Program	nableThe	ermostat: Y			Ceiling Fan	S:								
Cooling Heating Venting	[X] }	an [X] Feb	[] Mar [X] Mar [X] Mar	[] Apr [Apr [X] Apr	[] May [] May [] May	[X] Jun [] Jun [] Jun	[X] Jul 	[X] Aug [] Aug [] Aug	[X]Sep []Sep []Sep		Oct Oct Oct	[] Nov [X] Nov [X] Nov	[] Dec [X] Dec [] Dec	
Thermosta Schedule		ule: HERS 20	06 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 78 78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78	
Cooling (V	VEH)	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	
Heating (V	VD)	AM PM	66 68	66 68	66 66 68 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66	
Heating (V	WEH)	AM PM	66 68	66 68	66 66 68 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66	
						MASS								
М	lass Type	e		Area		Thicknes	s	FurnitureFra	ction	Sp	ace			
De	efault(8 l	bs/sq.ft.		0 ft²		0 ft		0.3			Main			