

Project Name: Stilwell Residence Street: City, State, Zip: , FL, Owner: Design Location: FL, Gainesville	Builder Name: Permit Office: Permit Number: Jurisdiction: County: Alachua(Florida Climate Zone 2)
1. New construction or existing New (From Plans) 2. Single family or multiple family Detached 3. Number of units, if multiple family 1 4. Number of Bedrooms 3 5. Is this a worst case? No 6. Conditioned floor area above grade (ft²) 1318 Conditioned floor area below grade (ft²) 0 7. Windows(182.3 sqft.) Description Area a. U-Factor: Dbl, U=0.26 182.33 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 Description Area U-Factor(AVG) N/A N/A ft² SHGC(AVG): N/A 9. Floor Types Insulation Area a. Slab-On-Grade Edge Insulation R= 0.0 1318.00 ft² b. N/A R= ft² c. N/A R= ft²	10. Wall Types(1512.0 sqft.) Insulation Area a. Frame - Steel, Exterior R=13.0 1152.00 ft² b. Frame - Wood, Adjacent R=13.0 360.00 ft² c. N/A d. N/A 11. Ceiling Types(1318.0 sqft.) Insulation Area a. Single assembly, with (Vented) R=30.0 1318.00 ft² b. N/A c. N/A 12. Roof(Metal, Unvent) Deck R=30.0 1359 ft² 13. Ducts, location & insulation level R ft² a. Sup: Main, Ret: Main, AH: Garage 6 264 b. c. 14. Cooling Systems kBtu/hr Efficiency a. Central Unit 30.0 SEER2:15.00 15. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 15.0 HSPF2:8.50 16. Hot Water Systems a. ElectricTankless Cap: 1 gallons EF: 0.920 b. Conservation features None 17. Credits CF, Pstat
Glass/Floor Area: 0.138	Total Proposed Modified Loads: 37.89
Total Baseline Loads: 44.35	
NOTE: Proposed residence must have annual total normalized Modified Loads that are less than or equal to 95 percent of the annual total loads of the standard reference design in order to comply.	
I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: _____ DATE: 8-6-24 I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: _____ DATE: 8-7-2024	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: _____

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INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:Stilwell Residence

Building Type:User

Owner:

Builder Home ID:

Builder Name:

Permit Office:

Jurisdiction:

Family Type:Detached

New/Existing:New (From Plans)

Year Construct:2024

Comment:

Bedrooms:3

Conditioned Area:1318

Total Stories:1

Worst Case:No

Rotate Angle:0

Cross Ventilation:

Whole House Fan:

Terrain:Rural

Shielding:Moderate/Rural

Address type:Street Address

Lot #:---

Block/SubDivision:---

PlatBook:---

Street:

County:Alachua

City, State, Zip: , FL,

CLIMATE

✓Design Location

Tmy Site

Design Temp97.5%2.5%

Int Design TempWinterSummer

Heating Degree Days

Design Moisture

Daily temp Range

___FL, Gainesville

FL_GAINESVILLE_REGIONA

3292

7075

1305.5

51

Medium

BLOCKS

✓Number

Name

Area

Volume

___1

Block1

1318

11862 cu ft

SPACES

✓Number

Name

Area

Volume

Kitchen

Occupants

Bedrooms

Finished

Cooled

Heated

___1

Main

1318

11862

Yes

6

3

Yes

Yes

Yes

FLOORS

(Total Exposed Area = 1318 sq.ft.)

✓#

Floor Type

Space

Exposed Perim(ft)

Area

R-Value Perim.

U-Factor Joist

Slab Insul. Vert/Horiz

Tile

Wood

Carpet

___1

Slab-On-Grade Edge Ins

Main

168

1318 sqft

0

0.563

0 (ft)/0 (ft)

0.20

0.60

0.20

ROOF

✓#

Type

Materials

Roof Area

Gable Area

Roof Color

Rad Barr

Solar Absor.

SA Tested

Emitt

Emitt Tested

Deck Insul.

Pitch (deg)

___1

Gable or shed

Metal

1359 ft²

164 ft²

Unf, Gal.

N

0.96

No

0.7

No

30

14.04

ATTIC

✓#

Type

Ventilation

Vent Ratio (1 in)

Area

RBS

IRCC

___1

No attic

Unvented

0

1318 ft²

N

N

CEILING

(Total Exposed Area = 1318 sq.ft.)

✓#

Ceiling Type

Space

R-Value

Ins. Type

Area

U-Factor

Framing Frac.

Truss Type

___1

Single assembly, with airspace(Unvented)

Main

30.0

Blown

1318.0ft²

0.017

0.11

Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS

(Total Exposed Area = 1512 sq.ft.)

✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area sq.ft.	U-Factor	Sheath R-Value	Frm. Frac.	Solar Absor.	Below Grade
___ 1	N	Exterior	Frame - Steel	Main	13.0	28.0	0	9.0	0	252.0	0.205		0.23	0.75	0 %
___ 2	E	Exterior	Frame - Steel	Main	13.0	36.0	0	9.0	0	324.0	0.205		0.23	0.75	0 %
___ 3	S	Exterior	Frame - Steel	Main	13.0	48.0	0	9.0	0	432.0	0.205		0.23	0.75	0 %
___ 4	W	Exterior	Frame - Steel	Main	13.0	16.0	0	9.0	0	144.0	0.205		0.23	0.75	0 %
___ 5	N	Garage	Frame - Wood	Main	13.0	40.0	0	9.0	0	360.0	0.084		0.23	0.75	0 %

DOORS

(Total Exposed Area = 80 sq.ft.)

✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
___ 1	N	Exterior	Insulated	Main	None	0.46	6.00	0	6.00	8	40.0ft²
___ 2	S	Exterior	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²
___ 3	N	Garage	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²

WINDOWS

(Total Exposed Area = 182 sq.ft.)

✓ #	Ornt	Wall ID	Frame	Panes	NFRC U-Factor	SHGC	Imp	Storm	Total Area (ft²)	Same Units	Width (ft)	Height (ft)	--Overhang-- Depth (ft)	Sep. (ft)	Interior Shade	Screen
___ 1	N	1	Vinyl	Low-E Double	Y 0.26	0.20	N	N	9.0	1	3.00	3.00	1.5	1.3	None	None
___ 2	N	1	Vinyl	Low-E Double	Y 0.26	0.20	N	N	20.0	1	4.00	5.00	1.5	1.3	None	None
___ 3	E	2	Vinyl	Low-E Double	Y 0.26	0.20	N	N	30.0	2	3.00	5.00	1.5	1.3	None	None
___ 4	E	2	Vinyl	Low-E Double	Y 0.26	0.20	N	N	6.0	1	2.00	3.00	1.5	1.3	None	None
___ 5	S	3	Vinyl	Low-E Double	Y 0.26	0.20	N	N	40.0	2	4.00	5.00	1.5	1.3	None	None
___ 6	S	3	Vinyl	Low-E Double	Y 0.26	0.20	N	N	45.0	3	3.00	5.00	1.5	1.3	None	None
___ 7	S	3	Vinyl	Low-E Double	Y 0.26	0.20	N	N	13.3	2	1.00	6.67	1.5	1.3	None	None
___ 8	W	4	Vinyl	Low-E Double	Y 0.26	0.20	N	N	15.0	1	3.00	5.00	1.5	1.3	None	None
___ 9	W	4	Vinyl	Low-E Double	Y 0.26	0.20	N	N	4.0	1	4.00	1.00	1.5	1.3	None	None

INFILTRATION

✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00030	1036	56.84	106.71	0.1076	5.2	All	11862 cu ft

GARAGE

✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
___ 1	400 ft²	400 ft²	40 ft	9 ft	1

MASS

✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
___ 1	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Main

HEATING SYSTEM

✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	----Geothermal HeatPump---- Entry Power Volt Current	Ducts	Block

INPUT SUMMARY CHECKLIST REPORT

HEATING SYSTEM(Continued)

1 Electric Heat Pump None/Single HSPF2: 8.50 15.0 0.00 0.00 0.00 sys#1 1

COOLING SYSTEM

1 Central Unit None/Single SEER2:15.0 30.0 900 0.75 sys#1 1

HOT WATER SYSTEM

1 Electric Tankless Exterior 0.92 (0.92) 1.00 gal 60 gal 120 deg Standard None 99

Recirculation System Recirc Control Type Loop length Branch length Pump power DWHR Facilities Connected Equal Flow DWHR Eff Other Credits

1 No NA NA NA No NA NA NA None

DUCTS

1 Main 6.0 264 ft² Main 6.0 66 ft² Prop. Leak Free Garage --- --- 0.030 0.50 1 1

TEMPERATURES

Programable Thermostat: Y Ceiling Fans: N

Cooling [] Jan [] Feb [] Mar [] Apr [] May [X] Jun [X] Jul [X] Aug [X] Sep [] Oct [] Nov [] Dec

Heating [X] Jan [X] Feb [X] Mar [] Apr [] May [] Jun [] Jul [] Aug [] Sep [] Oct [X] Nov [X] Dec

Venting [] Jan [] Feb [X] Mar [X] Apr [] May [] Jun [] Jul [] Aug [] Sep [X] Oct [X] Nov [] Dec

Thermostat Schedule: HERS 2006 Reference

Schedule Type	1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM 78	PM 78	78	78	78	78	78	78	78	80	80	80
Cooling (WEH)	AM 78	PM 78	78	78	78	78	78	78	78	80	80	80
Heating (WD)	AM 65	PM 68	65	65	65	65	65	65	68	68	68	68
Heating (WEH)	AM 65	PM 68	65	65	65	65	65	65	68	68	68	68

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

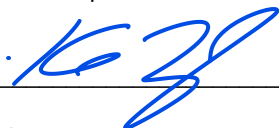
ESTIMATED ENERGY PERFORMANCE INDEX* = 85

The lower the EnergyPerformance Index, the more efficient the home.

„FL,

1. New construction or existing	New (From Plans)	10. Wall Types(1512.0 sqft.)	Insulation	Area
2. Single family or multiple family	Detached	a. Frame - Steel, Exterior	R=13.0	1152.00 ft ²
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	360.00 ft ²
4. Number of Bedrooms	3	c. N/A		
5. Is this a worst case?	No	d. N/A		
6. Conditioned floor area above grade (ft ²)	1318	11. Ceiling Types(1318.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft ²)	0	a. Single assembly, with (Vented)	R=30.0	1318.00 ft ²
7. Windows**	Description	b. N/A		
a. U-Factor:	Dbl, U=0.26	c. N/A		
SHGC:	SHGC=0.20	12. Roof(Metal, Unvent)	Deck R=30.0	1359 ft ²
b. U-Factor:	N/A	13. Ducts, location & insulation level	R	ft ²
SHGC:		a. Sup: Main, Ret: Main, AH: Garage	6	264
c. U-Factor:	N/A	b.		
SHGC:		c.		
Area Weighted Average Overhang Depth:	1.500 ft	14. Cooling Systems	kBtu/hr	Efficiency
Area Weighted Average SHGC:	0.200	a. Central Unit	30.0	SEER2:15.00
8. Skylights	Description	15. Heating Systems	kBtu/hr	Efficiency
U-Factor:(AVG)	N/A	a. Electric Heat Pump	15.0	HSPF2:8.50
SHGC(AVG):	N/A			
9. Floor Types	Insulation	16. Hot Water Systems		
a. Slab-On-Grade Edge Insulation	R= 0.0	a. ElectricTankless	Cap: 1 gallons	
b. N/A	R=		EF: 0.920	
c. N/A	R=	b. Conservation features		
		17. Credits	None	
			CF, Pstat	

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature:  Date: 8-7-2024

Address of New Home: _____ City/FL Zip: „FL,



*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida Energy Rating. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.