

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Live Well Custom Homes- Anderson		Builder Name: Spann's Heating and Air INC.	
Street: Live Well Custom Homes- Anderson		Permit Office:	
City, State, Zip: Fort White, FL,		Permit Number:	
Owner: Live Well Custom Homes- Anderson		Jurisdiction:	
Design Location: FL, Gainesville		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) 1491 Conditioned floor area below grade (ft²) 0 7. Windows(90.7 sqft.) Description Area a. U-Factor: Dbl, U=0.40 90.67 ft² SHGC: SHGC=0.20 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 1.000 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 1489.90 ft² b. N/A R= ft² c. N/A R= ft²	10. Wall Types(1674.5 sqft.) Insulation Area a. Frame - Wood, Exterior R=13.0 1674.50 ft² b. N/A c. N/A d. N/A 11. Ceiling Types(1491.0 sqft.) Insulation Area a. Flat ceiling under att (Vented) R=38.0 1491.00 ft² b. N/A c. N/A 12. Roof(Comp. Shingles, Vented) Deck R=0.0 1571 ft² 13. Ducts, location & insulation level R ft² a. Sup: Attic, Ret: Attic, AH: Laundry 6 130 b. c. 14. Cooling Systems kBtu/hr Efficiency a. Central Unit 36.0 SEER2:14.30 15. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 36.0 HSPF2:8.50 16. Hot Water Systems Cap: 40 gallons a. Electric EF: 0.960 b. Conservation features None 17. Credits None
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Glass/Floor Area: 0.061

Total Proposed Modified Loads: 40.37
Total Baseline Loads: 42.11**PASS**

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: Tank SDATE: 9-14-2023

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: E. J. J.DATE: 9/15/23

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.

BUILDING OFFICIAL: Review for Code Compliance
Universal Engineering ScienceDATE: 9/15/23Landon Parnell

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Examiner-License No.

- 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 7.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Live Well Custom Homes- Anderson	Bedrooms:	3	Address type:	Street Address
Building Type:	User	Conditioned Area:	1491	Lot #:	---
Owner:	Live Well Custom Homes- Anderson	Total Stories:	1	Block/SubDivision:	---
Builder Home ID:		Worst Case:	No	PlatBook:	---
Builder Name:	Spann's Heating and Air INC.	Rotate Angle:	0	Street:	Live Well Custom Homes- Anderson
Permit Office:		Cross Ventilation:	No	County:	Alachua
Jurisdiction:		Whole House Fan:	No	City, State, Zip:	Fort White , FL,
Family Type:	Detached	Terrain:	Suburban		
New/Existing:	New (From Plans)	Shielding:	Suburban		
Year Construct:					
Comment:					

CLIMATE

Design Location	Tmy Site	Design Temp 97.5%	Design Temp 2.5%	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily temp Range
___ FL, Gainesville	FL_GAINESVILLE_REGIONA	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
___ 1	Entire House	1491	14314 cu ft

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___ 1	Kitchen	360	3600	No	0		No	Yes	Yes
___ 2	Living Room	332	3318	No	0		No	Yes	Yes
___ 3	Bedroom 3	167	1503	No	0	1	No	Yes	Yes
___ 4	Bedroom 2	144	1296	No	0	1	No	Yes	Yes
___ 5	Master Bath	99	891	No	0		No	Yes	Yes
___ 6	Master Bedroom	203	2030	No	0	1	No	Yes	Yes
___ 7	Bath	60	540	No	0		No	Yes	Yes
___ 8	Laundry	75	675	No	0		No	Yes	Yes
___ 9	Closet	51	459	No	0		No	Yes	Yes

FLOORS

(Total Exposed Area = 1490 sq.ft.)

#	Floor Type	Space	Exposed Perim	Perimeter R-Value	Area	U-Factor	Joist R-Value	Tile	Wood	Carpet
___ 1	Slab-On-Grade Edge Ins	Kitchen	54		360 ft	0.473	---	0.00	1.00	0.00
___ 2	Slab-On-Grade Edge Ins	Living Room	17		331.8 ft	0.473	---	0.00	1.00	0.00
___ 3	Slab-On-Grade Edge Ins	Bedroom 3	22.5		166.8 ft	0.473	---	0.00	1.00	0.00
___ 4	Slab-On-Grade Edge Ins	Bedroom 2	24		143.8 ft	0.473	---	0.00	1.00	0.00
___ 5	Slab-On-Grade Edge Ins	Master Bath	3		98.5 ft	0.473	---	0.00	1.00	0.00
___ 6	Slab-On-Grade Edge Ins	Master Bedroom	28.5		203 ft	0.473	---	0.00	1.00	0.00
___ 7	Slab-On-Grade Edge Ins	Bath	1		60 ft	0.473	---	0.00	1.00	0.00
___ 8	Slab-On-Grade Edge Ins	Laundry	17.5		75 ft	0.473	---	0.00	1.00	0.00
___ 9	Slab-On-Grade Edge Ins	Closet	8.5		51 ft	0.473	---	0.00	1.00	0.00



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INPUT SUMMARY CHECKLIST REPORT

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	Composition shingles	1571 ft²	248 ft²	Dark	N	0.85	No	0.9	No	0	18.43

ATTIC						
✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___ 1	Full attic	Vented	300	1490 ft²	N	N

CEILING (Total Exposed Area = 1491 sq.ft.)								
✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type
___ 1	Flat ceiling under attic(Vented)	Kitchen	38.0	Blown	360.0ft²	0.049	0.10	Wood
___ 2	Flat ceiling under attic(Vented)	Living Room	38.0	Blown	332.0ft²	0.049	0.10	Wood
___ 3	Flat ceiling under attic(Vented)	Bedroom 3	38.0	Blown	167.0ft²	0.049	0.10	Wood
___ 4	Flat ceiling under attic(Vented)	Bedroom 2	38.0	Blown	144.0ft²	0.049	0.10	Wood
___ 5	Flat ceiling under attic(Vented)	Master Bath	38.0	Blown	99.0ft²	0.049	0.10	Wood
___ 6	Flat ceiling under attic(Vented)	Master Bedroom	38.0	Blown	203.0ft²	0.049	0.10	Wood
___ 7	Flat ceiling under attic(Vented)	Bath	38.0	Blown	60.0ft²	0.049	0.10	Wood
___ 8	Flat ceiling under attic(Vented)	Laundry	38.0	Blown	75.0ft²	0.049	0.10	Wood
___ 9	Flat ceiling under attic(Vented)	Closet	38.0	Blown	51.0ft²	0.049	0.10	Wood

WALLS (Total Exposed Area = 1675 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 - Wood	Kitchen	13.0	15.0 0	10.0 0	150.0	0.095	0	0.25	0.80	0 %
___ 2	S	Exterior	Frame - Wood	Kitchen	13.0	15.0 0	10.0 0	150.0	0.095	0	0.25	0.80	0 %
___ 3	W	Exterior	Frame - Wood	Kitchen	13.0	24.0 0	10.0 0	240.0	0.095	0	0.25	0.80	0 %
___ 4	N	Exterior	Frame - Wood	Living Room	13.0	10.0 0	10.0 0	100.0	0.095	0	0.25	0.80	0 %
___ 5	S	Exterior	Frame - Wood	Living Room	13.0	5.0 0	10.0 0	50.0	0.095	0	0.25	0.80	0 %
___ 6	W	Exterior	Frame - Wood	Living Room	13.0	2.0 0	10.0 0	20.0	0.095	0	0.25	0.80	0 %
___ 7	E	Exterior	Frame - Wood	Bedroom 3	13.0	3.0 6	9.0 0	31.5	0.095	0	0.25	0.80	0 %
___ 8	S	Exterior	Frame - Wood	Bedroom 3	13.0	14.0 6	9.0 0	130.5	0.095	0	0.25	0.80	0 %
___ 9	W	Exterior	Frame - Wood	Bedroom 3	13.0	4.0 6	9.0 0	40.5	0.095	0	0.25	0.80	0 %
___ 10	E	Exterior	Frame - Wood	Bedroom 2	13.0	11.0 6	9.0 0	103.5	0.095	0	0.25	0.80	0 %
___ 11	S	Exterior	Frame - Wood	Bedroom 2	13.0	12.0 6	9.0 0	112.5	0.095	0	0.25	0.80	0 %
___ 12	E	Exterior	Frame - Wood	Master Bath	13.0	3.0 0	9.0 0	27.0	0.095	0	0.25	0.80	0 %
___ 13	N	Exterior	Frame - Wood	Master Bedroom	13.0	14.0 6	10.0 0	145.0	0.095	0	0.25	0.80	0 %
___ 14	E	Exterior	Frame - Wood	Master Bedroom	13.0	14.0 0	10.0 0	140.0	0.095	0	0.25	0.80	0 %
___ 15	N	Exterior	Frame - Wood	Laundry	13.0	7.0 6	9.0 0	67.5	0.095	0	0.25	0.80	0 %
___ 16	W	Exterior	Frame - Wood	Laundry	13.0	10.0 0	9.0 0	90.0	0.095	0	0.25	0.80	0 %
___ 17	E	Exterior	Frame - Wood	Closet	13.0	8.0 6	9.0 0	76.5	0.095	0	0.25	0.80	0 %

DOORS (Total Exposed Area = 21 sq.ft.)										
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft In	Height Ft In	Area	
___ 1	W	Exterior	Insulated	Laundry	None	0.40	3.00 0	7.00 0	21.0ft²	



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INPUT SUMMARY CHECKLIST REPORT

WINDOWS (Total Exposed Area = 91 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)	Overhang-- Sep. (ft)	Interior Shade	Screen	
1	S	2	Vinyl	Double (Clear)	Y	0.40	0.20	N	N	22.7	2	2.83	4.00	1.0	1.0	None	None
2	W	3	Vinyl	Double (Clear)	Y	0.40	0.20	N	N	22.7	2	2.83	4.00	1.0	1.0	None	None
3	S	8	Vinyl	Double (Clear)	Y	0.40	0.20	N	N	22.7	2	2.83	4.00	1.0	1.0	None	None
4	S	11	Vinyl	Double (Clear)	Y	0.40	0.20	N	N	22.7	2	2.83	4.00	1.0	1.0	None	None

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
1	Wholehouse	Proposed ACH(50)	0.00043	1670	91.61	171.98	0.1475	7.0	All	14312 cu ft

MASS					
✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
1	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Kitchen
2	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Living Room
3	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Bedroom 3
4	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Bedroom 2
5	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Master Bath
6	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Master Bedroom
7	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Bath
8	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Laundry
9	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Closet

HEATING SYSTEM										
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBTu/hr	Geothermal HeatPump			Ducts	Block
						Entry	Power	Volt	Current	
1	Electric Heat Pump	Split/Single		HSPF2: 8.50	36.0		0.00	0.00	0.00	sys#1 1

COOLING SYSTEM									
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBTu/hr	Air Flow cfm	SHR	Duct	Block
1	Central Unit	Split/Single		SEER2:14.3	36.0	1080	0.70	sys#1	1

HOT WATER SYSTEM										
✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixture Flow	Pipe Ins.	Pipe length
1	Electric	None	Laundry	0.96 (0.93)	40.00 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



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INPUT SUMMARY CHECKLIST REPORT**DUCTS**

✓ Duct #	Supply Location	R-Value	Area	Return Location	R-Value	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF	HVAC # Heat	Cool
___ 1 Attic		6.0	130 ft²	Attic	6.0	25 ft²	Default Leakage	Laundry	(Default)	(Default)			1	1

TEMPERATURES

Programable Thermostat: N						Ceiling Fans: N							
Cooling	☐ Jan	☐ Feb	☐ Mar	☐ Apr	☐ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☐ Oct	☐ Nov	☐ Dec	
Heating	☒ Jan	☒ Feb	☒ Mar	☐ Apr	☐ May	☐ Jun	☐ Jul	☐ Aug	☐ Sep	☐ Oct	☒ Nov	☒ Dec	
Venting	☐ Jan	☐ Feb	☒ Mar	☒ Apr	☐ May	☐ Jun	☐ Jul	☐ Aug	☐ Sep	☒ Oct	☒ Nov	☐ Dec	
Thermostat Schedule: HERS 2006 Reference													
✓ Schedule Type		1	2	3	4	5	6	Hours 7	8	9	10	11	12
___ Cooling (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
___ Cooling (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
___ Heating (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
___ Heating (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



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ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD**ESTIMATED ENERGY PERFORMANCE INDEX* = 96**

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

Live Well Custom Homes- Anderson, Fort White ,FL,

1. New construction or existing	New (From Plans)	10. Wall Types(1674.5 sqft.)	Insulation	Area
2. Single family or multiple family	Detached	a. Frame - Wood, Exterior	R=13.0	1674.50 ft ²
3. Number of units, if multiple family	1	b. N/A		
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)	1491	11. Ceiling Types(1491.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft ²)	0	a. Flat ceiling under att (Vented)	R=38.0	1491.00 ft ²
7. Windows**	Description	b. N/A		
a. U-Factor:	Dbl, U=0.40	c. N/A		
SHGC:	SHGC=0.20	12. Roof(Comp. Shingles, Vented)	Deck R=0.0	1571 ft ²
b. U-Factor:	N/A	13. Ducts, location & insulation level	R	ft ²
SHGC:		a. Sup: Attic, Ret: Attic, AH: Laundry	6	130
c. U-Factor:	N/A	b.		
SHGC:		c.		
Area Weighted Average Overhang Depth:	1.000 ft	14. Cooling Systems	kBtu/hr	Efficiency
Area Weighted Average SHGC:	0.200	a. Central Unit	36.0	SEER2:14.30
8. Skylights	Description	15. Heating Systems	kBtu/hr	Efficiency
U-Factor:(AVG)	N/A	a. Electric Heat Pump	36.0	HSPF2:8.50
SHGC(AVG):	N/A	16. Hot Water Systems		
9. Floor Types	Insulation	a. Electric	Cap: 40 gallons	
a. Slab-On-Grade Edge Insulation	R= 0.0		EF: 0.960	
b. N/A	R=	b. Conservation features		
c. N/A	R=			
	Area	17. Credits		
	1489.90 ft ²			
	ft ²			
	ft ²			

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: _____

Address of New Home: Live Well Custom Homes- Anderson

City/FL Zip: Fort White ,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.



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