

2023 - AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA-TABLE 402.4.1.1a

Project Name:	Nelson Residence	Builder Name:	John F Crawford Homes, LLC
Street:	TBD	Permit Office:	Columbia
City, State, Zip:	Lake City, FL, 32024	Permit Number:	
Owner:	Nelson	Jurisdiction:	221000
Design Location:	FL, Gainesville	County:	Columbia(Florida Climate Zone 2)
COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA	NOTES
General requirements	A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed.	Air-permeable insulation shall not be used as a sealing material.	
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.	
Walls	The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.	
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.		
Rim joists	Rim joists shall include the air barrier.	Rim joists shall be insulated.	
Floors (including above-garage and cantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members.	
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.	Where provided instead of floor insulation, insulation shall be permanently attached to the crawlspace walls.	
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.		
Narrow cavities		Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity spaces.	
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.		
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the finished surface.	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.	
Plumbing and wiring		Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.	
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.	Exterior walls adjacent to showers and tubs shall be insulated.	
Electrical, communication, and other equipment boxes, housings, and enclosures	Boxes, housings, and enclosures that penetrate the air barrier shall be caulked, taped, gasketed, or otherwise sealed to the air barrier element being penetrated. All concealed openings into the box, housing, or enclosure shall be sealed. The continuity of the air barrier shall be maintained around boxes, housings, and enclosures that penetrate the air barrier. Alternatively, air-sealed boxes shall be installed in accordance with R402.4.6	Boxes, housings, and enclosures shall be buried in or surrounded by tightly fitted insulation.	
HVAC register boots	HVAC supply and return register boots that penetrate building thermal envelope shall be sealed to the sub-floor, wall covering or ceiling penetrated by the boot.		
Concealed sprinklers	When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings.		

a. In addition, inspection of log walls shall be in accordance with the provisions of ICC-400.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Nelson Residence Street: TBD City, State, Zip: Lake City, FL, 32024 Owner: Nelson Design Location: FL, Gainesville	Builder Name: John F Crawford Homes, LLC Permit Office: Columbia Permit Number: Jurisdiction: 221000 County: Columbia(Florida Climate Zone 2)
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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) 2201 Conditioned floor area below grade (ft²) 0 7. Windows(387.0 sqft.) Description Area a. U-Factor: Dbl, U=0.40 387.00 ft² SHGC: SHGC=0.21 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 4.990 ft Area Weighted Average SHGC: 0.210 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 2200.40 ft² b. N/A R= ft² c. N/A R= ft²	10. Wall Types(2498.5 sqft.) Insulation Area a. Frame - Wood, Exterior R=13.0 2148.50 ft² b. Frame - Wood, Adjacent R=13.0 350.00 ft² c. N/A d. N/A 11. Ceiling Types(2201.0 sqft.) Insulation Area a. Roof Deck (Unvented) R=22.0 2201.00 ft² b. N/A c. N/A 12. Roof(Comp. Shingles, Unvent)Deck R=22.0 2383 ft² 13. Ducts, location & insulation level R ft² a. Sup: Attic, Ret: Attic, AH: Mud Rm 6 141 b. c. 14. Cooling Systems kBtu/hr Efficiency a. Central Unit 40.0 SEER2:14.30 15. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 42.0 HSPF2:7.50 16. Hot Water Systems a. Electric Cap: 50 gallons EF: 0.950 b. Conservation features None 17. Credits CF, Pstat
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Glass/Floor Area:0.176	Total Proposed Modified Loads: 60.41	PASS
	Total Baseline Loads: 63.34	

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: <u>John Pirk</u> DATE: <u>01/01/2024</u> I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: DATE: <u>4/9/2024</u>	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. GREAT SEAL OF THE STATE OF FLORIDA IN GOD WE TRUST BUILDING OFFICIAL: _____ DATE: _____
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- 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.
- 1 of the 1 duct systems requires a Duct Leakage Test Report. Systems with Default duct leakage do not require this 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 5.74 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT										
Title:	Nelson Residence			Address type:	Street Address					
Building Type:	User	Bedrooms:	3	Lot #:	---					
Owner:	Nelson	Conditioned Area:	2201	Block/SubDivision:	---					
Builder Home ID:		Total Stories:	1	PlatBook:	---					
Builder Name:	John F Crawford Homes, LLC	Worst Case:	No	Street:	TBD					
Permit Office:	Columbia	Rotate Angle:	0	County:	Columbia					
Jurisdiction:	221000	Cross Ventilation:	No	City, State, Zip:	Lake City, FL, 32024					
Family Type:	Detached	Whole House Fan:	No							
New/Existing:	New (From Plans)	Terrain:	Suburban							
Year Construct:	2023	Shielding:	Suburban							
Comment:										
CLIMATE										
✓ Design Location	Tmy Site	Design Temp	97.5%	2.5%	Int Design Temp	Winter	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	2201	25668 cu ft							
SPACES										
✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated	
___ 1	Tlt	20	200	No	0		Yes	Yes	Yes	
___ 2	Mstr Bathrm	140	1400	No	0		Yes	Yes	Yes	
___ 3	Mstr Bedroom	224	2464	No	2	1	Yes	Yes	Yes	
___ 4	Mstr WIC	145	1450	No	0		Yes	Yes	Yes	
___ 5	Pwdr	25	250	No	0		No	Yes	Yes	
___ 6	Laundry	91	819	No	0		Yes	Yes	Yes	
___ 7	Mud Rm	136	1360	No	0		No	Yes	Yes	
___ 8	Pantry	96	960	No	0		Yes	Yes	Yes	
___ 9	Foyer	77	986	No	0		Yes	Yes	Yes	
___ 10	Office	89	890	No	0		Yes	Yes	Yes	
___ 11	Kitchen/Dining	312	3120	Yes	0		Yes	Yes	Yes	
___ 12	Living Room	424	7971	No	0		Yes	Yes	Yes	
___ 13	Bathrm	61	549	No	0		Yes	Yes	Yes	
___ 14	Bedroom #3	150	1350	No	1	1	Yes	Yes	Yes	
___ 15	WIC #3	36	324	No	0		Yes	Yes	Yes	
___ 16	WIC #2	45	405	No	0		Yes	Yes	Yes	
___ 17	Bedroom #2	130	1170	No	1	1	Yes	Yes	Yes	
FLOORS (Total Exposed Area = 2200 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	Tlt	9.5	20 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___ 2	Slab-On-Grade Edge Ins	Mstr Bathrm	16.5	140 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___ 3	Slab-On-Grade Edge Ins	Mstr Bedroom	25	224 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___ 4	Slab-On-Grade Edge Ins	Mstr WIC	9.5	144.5 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___ 5	Slab-On-Grade Edge Ins	Pwdr	1	24.5 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___ 6	Slab-On-Grade Edge Ins	Laundry	20	91 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___ 7	Slab-On-Grade Edge Ins	Mud Rm	11	136 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___ 8	Slab-On-Grade Edge Ins	Pantry	22	96 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00

INPUT SUMMARY CHECKLIST REPORT

FLOORS(Continued)

✓ #	Floor Type	Space	Exposed Perim(ft)	Area	R-Value Perim. Joist	U-Factor	Slab Insul. Vert/Horiz	Tile	Wood	Carpet
___ 9	Slab-On-Grade Edge Ins	Foyer	6.5	77.3 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___ 10	Slab-On-Grade Edge Ins	Office	10.5	89.3 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___ 11	Slab-On-Grade Edge Ins	Kitchen/Dining	16.5	312 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___ 12	Slab-On-Grade Edge Ins	Living Room	23.5	424.3 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___ 13	Slab-On-Grade Edge Ins	Bathrm	5.5	60.5 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___ 14	Slab-On-Grade Edge Ins	Bedroom #3	23	150 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___ 15	Slab-On-Grade Edge Ins	WIC #3	4.5	36 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___ 16	Slab-On-Grade Edge Ins	WIC #2	14.5	45 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___ 17	Slab-On-Grade Edge Ins	Bedroom #2	13	130 sqft	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00

ROOF

✓ #	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
___ 1	Hip	Composition shingles	2383 ft²	0 ft²	Medium	N	0.9	No	0.9	No	22	22.62

ATTIC

✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___ 1	Full attic	Unvented	0	2200 ft²	N	N

CEILING

(Total Exposed Area = 2201 sq.ft.)

✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type
___ 1	Flat ceiling under attic(Unvented)	Tlt	0.0	Blown	20.0ft²	0.057	0.00	Wood
___ 2	Flat ceiling under attic(Unvented)	Mstr Bathrm	0.0	Blown	140.0ft²	0.057	0.00	Wood
___ 3	Flat ceiling under attic(Unvented)	Mstr Bedroom	0.0	Blown	224.0ft²	0.057	0.00	Wood
___ 4	Flat ceiling under attic(Unvented)	Mstr WIC	0.0	Blown	145.0ft²	0.057	0.00	Wood
___ 5	Flat ceiling under attic(Unvented)	Pwdr	0.0	Blown	25.0ft²	0.057	0.00	Wood
___ 6	Flat ceiling under attic(Unvented)	Laundry	0.0	Blown	91.0ft²	0.057	0.00	Wood
___ 7	Flat ceiling under attic(Unvented)	Mud Rm	0.0	Blown	136.0ft²	0.057	0.00	Wood
___ 8	Flat ceiling under attic(Unvented)	Pantry	0.0	Blown	96.0ft²	0.057	0.00	Wood
___ 9	Flat ceiling under attic(Unvented)	Foyer	0.0	Blown	77.0ft²	0.057	0.00	Wood
___ 10	Flat ceiling under attic(Unvented)	Office	0.0	Blown	89.0ft²	0.057	0.00	Wood
___ 11	Flat ceiling under attic(Unvented)	Kitchen/Dining	0.0	Blown	312.0ft²	0.057	0.00	Wood
___ 12	Flat ceiling under attic(Unvented)	Living Room	0.0	Blown	424.0ft²	0.057	0.00	Wood
___ 13	Flat ceiling under attic(Unvented)	Bathrm	0.0	Blown	61.0ft²	0.057	0.00	Wood
___ 14	Flat ceiling under attic(Unvented)	Bedroom #3	0.0	Blown	150.0ft²	0.057	0.00	Wood
___ 15	Flat ceiling under attic(Unvented)	WIC #3	0.0	Blown	36.0ft²	0.057	0.00	Wood
___ 16	Flat ceiling under attic(Unvented)	WIC #2	0.0	Blown	45.0ft²	0.057	0.00	Wood
___ 17	Flat ceiling under attic(Unvented)	Bedroom #2	0.0	Blown	130.0ft²	0.057	0.00	Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS															(Total Exposed Area = 2499 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	SW	Exterior	Frame - Wood	Tlt	13.0	4.0	0	10.0	0	40.0	0.095	0	0.25	0.23	0 %			
___ 2	NW	Exterior	Frame - Wood	Tlt	13.0	5.0	6	10.0	0	55.0	0.095	0	0.25	0.23	0 %			
___ 3	SW	Exterior	Frame - Wood	Mstr Bathrm	13.0	12.0	0	10.0	0	120.0	0.095	0	0.25	0.23	0 %			
___ 4	NW	Exterior	Frame - Wood	Mstr Bathrm	13.0	4.0	6	10.0	0	45.0	0.095	0	0.25	0.23	0 %			
___ 5	NE	Exterior	Frame - Wood	Mstr Bedroom	13.0	11.0	0	11.0	0	121.0	0.095	0	0.25	0.23	0 %			
___ 6	NW	Exterior	Frame - Wood	Mstr Bedroom	13.0	14.0	0	11.0	0	154.0	0.095	0	0.25	0.23	0 %			
___ 7	SW	Exterior	Frame - Wood	Mstr WIC	13.0	9.0	6	10.0	0	95.0	0.095	0	0.25	0.23	0 %			
___ 8	SW	Exterior	Frame - Wood	Laundry	13.0	7.0	0	9.0	0	63.0	0.095	0	0.25	0.23	0 %			
___ 9	SE	Exterior	Frame - Wood	Pantry	13.0	14.0	0	10.0	0	140.0	0.095	0	0.25	0.23	0 %			
___ 10	SW	Exterior	Frame - Wood	Pantry	13.0	2.0	0	10.0	0	20.0	0.095	0	0.25	0.23	0 %			
___ 11	SE	Exterior	Frame - Wood	Foyer	13.0	6.0	6	12.0	10	83.4	0.095	0	0.25	0.23	0 %			
___ 12	NE	Exterior	Frame - Wood	Office	13.0	2.0	0	10.0	0	20.0	0.095	0	0.25	0.23	0 %			
___ 13	SE	Exterior	Frame - Wood	Office	13.0	8.0	6	10.0	0	85.0	0.095	0	0.25	0.23	0 %			
___ 14	NW	Exterior	Frame - Wood	Kitchen/Dining	13.0	12.0	0	10.0	0	120.0	0.095	0	0.25	0.23	0 %			
___ 15	NE	Exterior	Frame - Wood	Living Room	13.0	6.0	6	18.0	10	122.4	0.095	0	0.25	0.23	0 %			
___ 16	NW	Exterior	Frame - Wood	Living Room	13.0	17.0	0	18.0	10	320.2	0.095	0	0.25	0.23	0 %			
___ 17	NW	Exterior	Frame - Wood	Bathrm	13.0	5.0	6	9.0	0	49.5	0.095	0	0.25	0.23	0 %			
___ 18	NE	Exterior	Frame - Wood	Bedroom #3	13.0	11.0	0	9.0	0	99.0	0.095	0	0.25	0.23	0 %			
___ 19	NW	Exterior	Frame - Wood	Bedroom #3	13.0	12.0	0	9.0	0	108.0	0.095	0	0.25	0.23	0 %			
___ 20	NE	Exterior	Frame - Wood	WIC #3	13.0	4.0	6	9.0	0	40.5	0.095	0	0.25	0.23	0 %			
___ 21	NE	Exterior	Frame - Wood	WIC #2	13.0	10.0	0	9.0	0	90.0	0.095	0	0.25	0.23	0 %			
___ 22	SE	Exterior	Frame - Wood	WIC #2	13.0	4.0	6	9.0	0	40.5	0.095	0	0.25	0.23	0 %			
___ 23	SE	Exterior	Frame - Wood	Bedroom #2	13.0	13.0	0	9.0	0	117.0	0.095	0	0.25	0.23	0 %			
___ 24	SE	Garage	Frame - Wood	Mud Rm	13.0	24.0	0	10.0	0	240.0	0.094		0.23	0.75	0 %			
___ 25	S	Garage	Frame - Wood	Kitchen/Dining	13.0	11.0	0	10.0	0	110.0	0.094		0.23	0.23	0 %			

DOORS											(Total Exposed Area = 20 sq.ft.)		
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area		
___ 1	SE	Garage	Wood	Mud Rm	None	0.46	3.00	0	6.00	8	20.0ft²		

WINDOWS															(Total Exposed Area = 387 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	NW	2	Vinyl	Low-E Double	Y	0.40	0.21	N	N	10.0	1	2.50	4.00	1.5	4.0	Drapes/blinds	Ex. 50%	
___ 2	SW	3	Vinyl	Low-E Double	Y	0.40	0.21	N	N	20.0	2	2.00	5.00	1.5	2.0	Drapes/blinds	Ex. 50%	
___ 3	SW	3	Vinyl	Low-E Double	Y	0.40	0.21	N	N	3.0	1	3.00	1.00	1.5	2.0	None	None	
___ 4	NE	5	Vinyl	Low-E Double	Y	0.40	0.21	N	N	30.0	2	2.50	6.00	4.0	4.0	Drapes/blinds	Ex. 50%	
___ 5	NW	6	Vinyl	Low-E Double	Y	0.40	0.21	N	N	15.0	1	2.50	6.00	1.5	4.0	Drapes/blinds	Ex. 50%	
___ 6	NW	6	Vinyl	Low-E Double	Y	0.40	0.21	N	N	15.0	1	2.50	6.00	1.5	8.0	Drapes/blinds	Ex. 50%	
___ 7	SW	7	Vinyl	Low-E Double	Y	0.40	0.21	N	N	8.0	1	4.00	2.00	1.5	2.0	None	None	
___ 8	SW	8	Vinyl	Low-E Double	Y	0.40	0.21	N	N	12.0	1	3.00	4.00	1.5	2.0	Drapes/blinds	Ex. 50%	
___ 9	SE	9	Vinyl	Low-E Double	Y	0.40	0.21	N	N	24.0	1	4.00	6.00	6.0	2.0	Drapes/blinds	Ex. 50%	
___ 10	SE	11	Vinyl	Low-E Double	Y	0.40	0.21	N	N	40.0	1	5.00	8.00	8.0	2.0	None	None	
___ 11	SE	13	Vinyl	Low-E Double	Y	0.40	0.21	N	N	24.0	1	4.00	6.00	6.0	2.0	Drapes/blinds	Ex. 50%	
___ 12	NW	14	Vinyl	Low-E Double	Y	0.40	0.21	N	N	45.0	3	2.50	6.00	8.0	2.0	Drapes/blinds	Ex. 50%	
___ 13	NW	16	Vinyl	Low-E Double	Y	0.40	0.21	N	N	48.0	1	6.00	8.00	8.0	2.0	None	None	
___ 14	NW	16	Vinyl	Low-E Double	Y	0.40	0.21	N	N	30.0	2	2.50	6.00	8.0	2.0	Drapes/blinds	Ex. 50%	
___ 15	NW	17	Vinyl	Low-E Double	Y	0.40	0.21	N	N	3.0	1	3.00	1.00	1.5	2.0	None	None	
___ 16	NW	19	Vinyl	Low-E Double	Y	0.40	0.21	N	N	30.0	2	2.50	6.00	1.5	2.0	Drapes/blinds	Ex. 50%	
___ 17	SE	23	Vinyl	Low-E Double	Y	0.40	0.21	N	N	30.0	2	2.50	6.00	1.5	6.0	Drapes/blinds	Ex. 50%	

INPUT SUMMARY CHECKLIST REPORT

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00043	2456	134.72	252.92	0.1308	5.7	All	25668 cu ft

GARAGE					
✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
___ 1	432 ft²	432 ft²	52 ft	10 ft	13

MASS					
✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
___ 1	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Tit
___ 2	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Mstr Bathrm
___ 3	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Mstr Bedroom
___ 4	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Mstr WIC
___ 5	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Pwdr
___ 6	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Laundry
___ 7	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Mud Rm
___ 8	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Pantry
___ 9	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Foyer
___ 10	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Office
___ 11	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Kitchen/Dining
___ 12	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Living Room
___ 13	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Bathrm
___ 14	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Bedroom #3
___ 15	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	WIC #3
___ 16	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	WIC #2
___ 17	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Bedroom #2

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: 7.50	42.0		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	40.0	1400	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	Mud Rm	0.95 (0.93)	50.00 gal	62 gal	120 deg	Low	None	104

	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

INPUT SUMMARY CHECKLIST REPORT

DUCTS														
☒ Duct #	-----Supply-----	-----Return-----												
Location	R-Value	Area	Location	R-Value	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM 25 OUT	QN OUT	RLF	HVAC # Heat	HVAC # Cool	
___ 1 Attic	6.0	141 ft²	Attic	6.0	58 ft²	Default Leakage	Mud Rm	(Default)	(Default)			1	1	

TEMPERATURES														
Programable Thermostat: Y					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	Hours													
Schedule Type	1	2	3	4	5	6	7	8	9	10	11	12		
___ Cooling (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	
___ Cooling (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	
___ Heating (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	
___ Heating (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	68 66	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 95

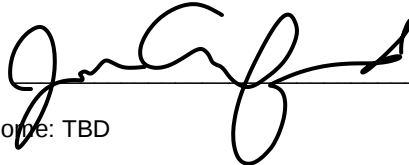
The lower the EnergyPerformance Index, the more efficient the home.

TBD,Lake City,FL,32024

1. New construction or existing	New (From Plans)	10. Wall Types(2498.5 sqft.)	Insulation	Area
2. Single family or multiple family	Detached	a. Frame - Wood, Exterior	R=13.0	2148.50 ft ²
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	350.00 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)	2201	11. Ceiling Types(2201.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft ²)	0	a. Roof Deck (Unvented)	R=22.0	2201.00 ft ²
7. Windows**	Description	b. N/A		
a. U-Factor:	Dbl, U=0.40	c. N/A		
SHGC:	SHGC=0.21	12. Roof(Comp. Shingles, Unvent)Deck	R=22.0	2383 ft ²
b. U-Factor:	N/A	13. Ducts, location & insulation level	R	ft ²
SHGC:		a. Sup: Attic, Ret: Attic, AH: Mud Rm	6	141
c. U-Factor:	N/A	b.		
SHGC:		c.		
Area Weighted Average Overhang Depth:	4.990 ft	14. Cooling Systems	kBtu/hr	Efficiency
Area Weighted Average SHGC:	0.210	a. Central Unit	40.0	SEER2:14.30
8. Skylights	Description	15. Heating Systems	kBtu/hr	Efficiency
U-Factor:(AVG)	N/A	a. Electric Heat Pump	42.0	HSPF2:7.50
SHGC(AVG):	N/A	16. Hot Water Systems	Cap: 50 gallons	EF: 0.950
9. Floor Types	Insulation	a. Electric		
a. Slab-On-Grade Edge Insulation	R= 0.0	b. Conservation features		
b. N/A	R=			
c. N/A	R=	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: 4/9/2024

Address of New Home: TBD

City/FL Zip: Lake City,FL,32024



*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.