FORM R405-2023

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Lennardo Miller Residence	Builder Name:	John F. Crawford Homes, LLC
Street:	348 S.W. Sparrow Terrace	Permit Office:	Columbia
City, State, Zip:	Lake City, FL, 32024	Permit Number:	
Owner:	Lennardo Miller Residence	Jurisdiction:	221200
Design Location:	FL, Gainesville	County:	Columbia(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	4
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	2435
Conditioned floor area below grade (ft²)	0

7. Windows(366.0 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.47	242.00 ft²
SHGC:	SHGC=0.31	
b. U-Factor:	Dbl, U=0.49	50.00 ft²
SHGC:	SHGC=0.32	
c. U-Factor:	Dbl, U=0.31	39.00 ft²
SHGC:	SHGC=0.24	
Area Weighted Average Overhang Depth:		3.486 ft
Area Weighted Average SHGC:		0.309

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	1914.80 ft²
b. Floor Over Other Space	R= 0.0	20.00 ft²
c. N/A	R=	ft²

10. Wall Types(2387.8 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	2072.80 ft²
b. Frame - Wood, Adjacent	R=13.0	315.00 ft²
c. N/A		
d. N/A		

11. Ceiling Types(1949.0 sqft.)	Insulation	Area
a. Roof Deck (Unvented)	R=30.0	1949.00 ft²
b. N/A		
c. N/A		

12. Roof(Comp. Shingles, Unvent)Deck	R=30.0	2339 ft²

13. Ducts, location & insulation level	R	ft²
a. Sup: Attic, Ret: Attic, AH: Attic	6	117
b.		
c.		

14. Cooling Systems	kBtu/hr	Efficiency
a. Central Unit	47.0	SEER2:15.00

15. Heating Systems	kBtu/hr	Efficiency
a. Electric Heat Pump	47.0	HSPF2:7.50

16. Hot Water Systems	
a. ElectricTankless	Cap: 1 gallons
	EF: 0.990
b. Conservation features	
	None
17. Credits	CF, Pstat

Glass/Floor Area: 0.150

Total Proposed Modified Loads: 61.64

Total Baseline Loads: 66.95

PASS

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: 12/04/2025

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

OWNER/AGENT: John Crawford

DATE: 12/8/2025

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.

- 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 5.12 ACH50 (R402.4.1.2).

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INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Lennardo Miller Residence			Address type:	Street Address
Building Type:	User	Bedrooms:	4	Lot #:	---
Owner:	Lennardo Miller Residence	Conditioned Area:	2435	Block/SubDivision:	---
Builder Home ID:		Total Stories:	2	PlatBook:	---
Builder Name:	John F. Crawford Homes, LLC	Worst Case:	No	Street:	348 S.W. Sparrow Terrace
Permit Office:	Columbia	Rotate Angle:	0	County:	Columbia
Jurisdiction:	221200	Cross Ventilation:	No	City, State, Zip:	Lake City,
Family Type:	Detached	Whole House Fan:	No		FL, 32024
New/Existing:	New (From Plans)	Terrain:	Suburban		
Year Construct:	2025	Shielding:	Suburban		
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	2435	23099 cu ft

SPACES

√	Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___	1	Mstr Bedroom	175	1750	No	2	1	Yes	Yes	Yes
___	2	Mstr Bathrm	116	1044	No	0		Yes	Yes	Yes
___	3	Tlt	18	162	No	0		No	Yes	Yes
___	4	Mstr WIC	110	990	No	0		No	Yes	Yes
___	5	Bathrm #2	61	549	No	0		Yes	Yes	Yes
___	6	Bedroom #2	151	1359	No	1	1	Yes	Yes	Yes
___	7	Study	116	1044	No	0		Yes	Yes	Yes
___	8	Foyer	123	1107	No	0		Yes	Yes	Yes
___	9	Laundry	65	585	No	0		No	Yes	Yes
___	10	Pantry	33	297	No	0		Yes	Yes	Yes
___	11	Pwdr	33	297	No	0		No	Yes	Yes
___	12	Mud Room	60	480	No	0		No	Yes	Yes
___	13	Kitchen/Dine	294	2940	Yes	0		Yes	Yes	Yes
___	14	Living Room	562	6351	No	0		Yes	Yes	Yes
___	15	Bedroom #4	138	1104	No	1	1	Yes	Yes	Yes
___	16	Loft	175	1400	No	0		Yes	Yes	Yes
___	17	Bathrm #3	63	504	No	0		Yes	Yes	Yes
___	18	Bedroom #3	142	1136	No	1	1	Yes	Yes	Yes

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INPUT SUMMARY CHECKLIST REPORT

FLOORS (Total Exposed Area = 1915 sq.ft.)

√	#	Floor Type	Space	Exposed Perim(ft)	Area	R-Value Perim.	R-Value Joist	U-Factor	Slab Insul. Vert/Horiz	Tile	Wood	Carpet
___	1	Slab-On-Grade Edge Ins	Mstr Bedroom	26.5	175 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	2	Slab-On-Grade Edge Ins	Mstr Bathrm	11	115.5 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	3	Slab-On-Grade Edge Ins	Tlt	1	17.5 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	4	Slab-On-Grade Edge Ins	Mstr WIC	1	110 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	5	Slab-On-Grade Edge Ins	Bathrm #2	14	60.5 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	6	Slab-On-Grade Edge Ins	Bedroom #2	25.5	151 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	7	Slab-On-Grade Edge Ins	Study	21.5	115.5 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	8	Slab-On-Grade Edge Ins	Foyer	4.5	122.5 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	9	Slab-On-Grade Edge Ins	Laundry	4.5	65.3 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	10	Slab-On-Grade Edge Ins	Pantry	11.5	33 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	11	Slab-On-Grade Edge Ins	Pwdr	5.5	33 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	12	Slab-On-Grade Edge Ins	Mud Room	7.5	60 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	13	Slab-On-Grade Edge Ins	Kitchen/Dine	36.5	294 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	14	Slab-On-Grade Edge Ins	Living Room	21.5	562 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	15	Floor Over Other Space	Bedroom #4	---	4 sqft	---	0.0	0.220	-------	0.00	1.00	0.00
___	16	Floor Over Other Space	Bedroom #4	---	16 sqft	---	0.0	0.220	-------	0.00	1.00	0.00

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Framing. Fract.	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
___	1	Hip	Composition shingles	2339 ft²	0 ft²	0.00	Medium	N	0.9	No	0.9	No	30	33.69

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___	1	Full attic	Unvented	0	1946 ft²	N	N

CEILING (Total Exposed Area = 1949 sq.ft.)

√	#	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type
___	1	Flat ceiling under attic(Unvented)	Mstr Bedroom	0.0	Blown	175.0ft²	0.052	0.00	Wood
___	2	Flat ceiling under attic(Unvented)	Mstr Bathrm	0.0	Blown	42.0ft²	0.052	0.00	Wood
___	3	Flat ceiling under attic(Unvented)	Tlt	0.0	Blown	2.0ft²	0.052	0.00	Wood
___	4	Flat ceiling under attic(Unvented)	Mstr WIC	0.0	Blown	60.0ft²	0.052	0.00	Wood
___	5	Flat ceiling under attic(Unvented)	Bathrm #2	0.0	Blown	45.0ft²	0.052	0.00	Wood
___	6	Flat ceiling under attic(Unvented)	Bedroom #2	0.0	Blown	141.0ft²	0.052	0.00	Wood
___	7	Flat ceiling under attic(Unvented)	Study	0.0	Blown	2.0ft²	0.052	0.00	Wood
___	8	Flat ceiling under attic(Unvented)	Foyer	0.0	Blown	9.0ft²	0.052	0.00	Wood
___	9	Flat ceiling under attic(Unvented)	Pantry	0.0	Blown	33.0ft²	0.052	0.00	Wood
___	10	Flat ceiling under attic(Unvented)	Pwdr	0.0	Blown	33.0ft²	0.052	0.00	Wood
___	11	Flat ceiling under attic(Unvented)	Mud Room	0.0	Blown	33.0ft²	0.052	0.00	Wood
___	12	Flat ceiling under attic(Unvented)	Kitchen/Dine	0.0	Blown	96.0ft²	0.052	0.00	Wood
___	13	Flat ceiling under attic(Unvented)	Kitchen/Dine	0.0	Blown	198.0ft²	0.052	0.00	Wood
___	14	Flat ceiling under attic(Unvented)	Living Room	0.0	Blown	99.0ft²	0.052	0.00	Wood
___	15	Flat ceiling under attic(Unvented)	Living Room	0.0	Blown	463.0ft²	0.052	0.00	Wood
___	16	Flat ceiling under attic(Unvented)	Bedroom #4	0.0	Blown	138.0ft²	0.052	0.00	Wood
___	17	Flat ceiling under attic(Unvented)	Loft	0.0	Blown	175.0ft²	0.052	0.00	Wood
___	18	Flat ceiling under attic(Unvented)	Bathrm #3	0.0	Blown	63.0ft²	0.052	0.00	Wood
___	19	Flat ceiling under attic(Unvented)	Bedroom #3	0.0	Blown	142.0ft²	0.052	0.00	Wood

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INPUT SUMMARY CHECKLIST REPORT

WALLS (Total Exposed Area = 2388 sq.ft.)

√ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area sq.ft.	U-Factor	Sheath R-Value	Frm. Frac.	Solar Absor.	Below Grade
___ 1	S	Exterior	Frame - Wood	Mstr Bedroom	13.0	12.0	6	10.0	0	125.0	0.095	0	0.25	0.23	0.0 %
___ 2	W	Exterior	Frame - Wood	Mstr Bedroom	13.0	14.0	0	10.0	0	140.0	0.095	0	0.25	0.23	0.0 %
___ 3	S	Exterior	Frame - Wood	Mstr Bathrm	13.0	11.0	0	9.0	0	99.0	0.095	0	0.25	0.23	0.0 %
___ 4	E	Exterior	Frame - Wood	Bathrm #2	13.0	1.0	6	9.0	0	13.5	0.095	0	0.25	0.23	0.0 %
___ 5	S	Exterior	Frame - Wood	Bathrm #2	13.0	11.0	0	9.0	0	99.0	0.095	0	0.25	0.23	0.0 %
___ 6	W	Exterior	Frame - Wood	Bathrm #2	13.0	1.0	6	9.0	0	13.5	0.095	0	0.25	0.23	0.0 %
___ 7	E	Exterior	Frame - Wood	Bedroom #2	13.0	14.0	0	9.0	0	126.0	0.095	0	0.25	0.23	0.0 %
___ 8	S	Exterior	Frame - Wood	Bedroom #2	13.0	11.0	6	9.0	0	103.5	0.095	0	0.25	0.23	0.0 %
___ 9	E	Exterior	Frame - Wood	Study	13.0	10.0	6	9.0	0	94.5	0.095	0	0.25	0.23	0.0 %
___ 10	E	Exterior	Frame - Wood	Foyer	13.0	4.0	6	9.0	0	40.5	0.095	0	0.25	0.23	0.0 %
___ 11	N	Exterior	Frame - Wood	Pantry	13.0	6.0	0	9.0	0	54.0	0.095	0	0.25	0.23	0.0 %
___ 12	N	Exterior	Frame - Wood	Kitchen/Dine	13.0	24.0	6	10.0	0	245.0	0.095	0	0.25	0.23	0.0 %
___ 13	W	Exterior	Frame - Wood	Kitchen/Dine	13.0	12.0	0	10.0	0	120.0	0.095	0	0.25	0.23	0.0 %
___ 14	W	Exterior	Frame - Wood	Living Room	13.0	19.0	0	11.0	4	215.3	0.095	0	0.25	0.23	0.0 %
___ 15	E	Exterior	Frame - Wood	Bedroom #4	13.0	12.0	6	8.0	0	100.0	0.095	0	0.25	0.23	0.0 %
___ 16	S	Exterior	Frame - Wood	Bedroom #4	13.0	11.0	0	8.0	0	88.0	0.095	0	0.25	0.23	0.0 %
___ 17	W	Exterior	Frame - Wood	Bedroom #4	13.0	12.0	6	8.0	0	100.0	0.095	0	0.25	0.23	0.0 %
___ 18	S	Exterior	Frame - Wood	Loft	13.0	7.0	0	8.0	0	56.0	0.095	0	0.25	0.23	0.0 %
___ 19	E	Exterior	Frame - Wood	Bathrm #3	13.0	6.0	0	8.0	0	48.0	0.095	0	0.25	0.23	0.0 %
___ 20	S	Exterior	Frame - Wood	Bathrm #3	13.0	10.0	6	8.0	0	84.0	0.095	0	0.25	0.23	0.0 %
___ 21	E	Exterior	Frame - Wood	Bedroom #3	13.0	12.0	6	8.0	0	100.0	0.095	0	0.25	0.23	0.0 %
___ 22	S	Exterior	Frame - Wood	Bedroom #3	13.0	1.0	0	8.0	0	8.0	0.095	0	0.25	0.23	0.0 %
___ 23	N	Garage	Frame - Wood	Study	13.0	16.0	0	9.0	0	144.0	0.084		0.23	0.23	0.0 %
___ 24	N	Garage	Frame - Wood	Mud Room	13.0	19.0	0	9.0	0	171.0	0.084		0.23	0.23	0.0 %

DOORS (Total Exposed Area = 20 sq.ft.)

√ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
___ 1	N	Garage	Wood	Mud Room	Metal	0.46	3.00	0	6.00	8	20.0ft²

WINDOWS (Total Exposed Area = 366 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	S	1	Vinyl	Low-E Double	Y	0.47	0.31	N	N	24.0	2	2.00	6.00	1.5	1.3	Drapes/blinds	Ex. 50%
___ 2	W	2	Vinyl	Low-E Double	Y	0.47	0.31	N	N	36.0	2	3.00	6.00	1.5	1.3	Drapes/blinds	Ex. 50%
___ 3	S	3	Vinyl	Low-E Double	Y	0.45	0.36	N	N	16.0	1	4.00	4.00	1.5	1.3	None	None
___ 4	S	5	Vinyl	Low-E Double	Y	0.47	0.31	N	N	8.0	1	2.00	4.00	1.5	1.3	Drapes/blinds	Ex. 50%
___ 5	E	7	Vinyl	Low-E Double	Y	0.47	0.31	N	N	36.0	2	3.00	6.00	1.5	1.3	Drapes/blinds	Ex. 50%
___ 6	E	9	Vinyl	Low-E Double	Y	0.47	0.31	N	N	30.0	2	2.50	6.00	5.0	1.3	Drapes/blinds	Ex. 50%
___ 7	E	10	Vinyl	Low-E Double	Y	0.49	0.32	N	N	18.0	1	3.00	6.00	5.0	1.3	None	None
___ 8	N	12	Vinyl	Low-E Double	Y	0.45	0.36	N	N	16.0	1	4.00	4.00	1.5	1.3	None	None
___ 9	W	13	Vinyl	Low-E Double	Y	0.47	0.31	N	N	54.0	3	3.00	6.00	1.5	1.3	Drapes/blinds	Ex. 50%
___ 10	W	14	Vinyl	Low-E Double	Y	0.49	0.32	N	N	32.0	1	5.33	6.00	8.0	1.3	None	None
___ 11	W	14	Vinyl	Low-E Double	Y	0.47	0.31	N	N	54.0	3	3.00	6.00	8.0	1.3	Drapes/blinds	Ex. 50%
___ 12	S	16	Vinyl	Low-E Double	Y	0.31	0.24	N	N	15.0	1	3.00	5.00	1.5	1.3	Drapes/blinds	Ex. 50%
___ 13	E	19	Vinyl	Low-E Double	Y	0.45	0.36	N	N	3.0	1	3.00	1.00	1.5	1.3	None	None
___ 14	E	21	Vinyl	Low-E Double	Y	0.31	0.24	N	N	24.0	2	3.00	4.00	1.5	1.3	Drapes/blinds	Ex. 50%

INFILTRATION

√ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00031	1971	108.14	203.02	0.1417	5.1	All	23099 cu ft

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INPUT SUMMARY CHECKLIST REPORT

GARAGE

✓	#	Floor Area	Length	Width	Roof Area	Exposed Perimeter	Area Under Uncond.	Avg. Wall Height	Exposed Wall Insulation
___	1	411 ft²	25.0 ft²	16.4 ft²	411 ft²	49 ft	411 ft	9 ft	13

MASS

✓	#	Mass Type	Area	Thickness	Furniture Fraction	Space
___	1	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Mstr Bedroom
___	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	Tlt
___	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	Bathrm #2
___	6	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Bedroom #2
___	7	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Study
___	8	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Foyer
___	9	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Laundry
___	10	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Pantry
___	11	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Pwdr
___	12	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Mud Room
___	13	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Kitchen/Dine
___	14	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Living Room
___	15	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Bedroom #4
___	16	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Loft
___	17	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Bathrm #3
___	18	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Bedroom #3

HEATING SYSTEM

✓	#	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	----Geothermal HeatPump---- Entry	Power	Volt	Current	Ducts	Block
___	1	Electric Heat Pump	Split/Single		HSPF2: 7.50	47.0		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		SEER2:15.0	47.0	1600	0.70	sys#1	1

HOT WATER SYSTEM

✓	#	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixt. Flow	Trap	Pipe Ins.	Pipe length
___	1	Electric	Tankless	Attic	0.99 (0.99)	1.0 gal	55 gal	120 deg	Low	Yes	None	109

		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

✓	Duct #	Supply Location	Supply R-Value	Supply Area	Return Location	Return R-Value	Return Area	Leakage Type	AHU Location	CFM 25 TOT|OUT	QN OUT	AHU SEALED	RLF	HVAC # Heat	HVAC # Cool
___	1	Attic	6.0	117 ft²	Attic	6.0	51 ft²	Default Leakage	Attic	(Default) (Default)				1	1

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INPUT SUMMARY CHECKLIST REPORT

TEMPERATURES

Programable Thermostat: Y Ceiling Fans: N

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

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
___ Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
___ Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
___ Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
___ Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

FORM R405-2023

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 92

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

348 S.W. Sparrow Terrace,Lake City,FL,32024

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		4
5. Is this a worst case?		No
6. Conditioned floor area above grade (ft²)		2435
Conditioned floor area below grade (ft²)		0
7. Windows**	Description	Area
a. U-Factor:	Dbl, U=0.47	242.00 ft²
SHGC:	SHGC=0.31	
b. U-Factor:	Dbl, U=0.49	50.00 ft²
SHGC:	SHGC=0.32	
c. U-Factor:	Dbl, U=0.31	39.00 ft²
SHGC:	SHGC=0.24	
Area Weighted Average Overhang Depth:		3.486 ft
Area Weighted Average SHGC:		0.309
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	1914.80 ft²
b. Floor Over Other Space	R= 0.0	20.00 ft²
c. N/A	R=	ft²

10. Wall Types(2387.8 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	2072.80 ft²
b. Frame - Wood, Adjacent	R=13.0	315.00 ft²
c. N/A		
d. N/A		

11. Ceiling Types(1949.0 sqft.)	Insulation	Area
a. Roof Deck (Unvented)	R=30.0	1949.00 ft²
b. N/A		
c. N/A		

12. Roof(Comp. Shingles, Unvent)Deck	R=30.0	2339 ft²

13. Ducts, location & insulation level	R	ft²
a. Sup: Attic, Ret: Attic, AH: Attic	6	117
b.		
c.		

14. Cooling Systems	kBtu/hr	Efficiency
a. Central Unit	47.0	SEER2:15.00

15. Heating Systems	kBtu/hr	Efficiency
a. Electric Heat Pump	47.0	HSPF2:7.50

16. Hot Water Systems	
a. ElectricTankless	Cap: 1 gallons
	EF: 0.990
b. Conservation features	
	None
17. Credits	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: John Crawford Date: 12/8/2025

Address of New Home: 348 S.W. Sparrow Terrace 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.

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

Project Name:	Lennardo Miller Residence	Builder Name:	John F. Crawford Homes, LLC
Street:	348 S.W. Sparrow Terrace	Permit Office:	Columbia
City, State, Zip:	Lake City, FL, 32024	Permit Number:	
Owner:	Lennardo Miller Residence	Jurisdiction:	221200
Design Location:	FL, Gainesville	County:	Columbia(Florida Climate Zone 2)

COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA	CHECK
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 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.

Certificate of Product Ratings

AHRI Certified Reference Number : 214101900 Date : 12-04-2025 Model Status : Active

AHRI Type : HRCU-A-CB (Split System: Heat Pump with Remote Outdoor Unit-Air-Source)

Series : 15 SEER2 HP

Outdoor Unit Brand Name : CARRIER

Outdoor Unit Model Number (Condenser or Single Package) : GH5SAN548**AA*

Indoor Unit Model Number (Evaporator and/or Air Handler) : FJ5AN*C48L*

The manufacturer of this CARRIER product is responsible for the rating of this system combination.

Rated as follows in accordance with the latest edition of AHRI 210/240 – 2024, Performance Rating of Unitary Air-Conditioning & Air-Source Heat Pump Equipment and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (A_{Full}) – Single or High Stage (95F), btuh : 47000

SEER2 : 15.00

EER2 (A_{Full}) – Single or High Stage (95F) : 12.00

Heating Capacity ($H1_{Full}$) – Single or High Stage (47F), btuh : 47500

HSPF2 (Region IV) : 7.50

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced."Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

The Department of Energy has published updated energy efficiency metrics for central air conditioners and heat pumps. This publication reflects both the 1987 metric (SEER) and the 2023 metric (SEER2). Efficiency requirements are published at 10 C.F.R. 430.32(c). Please refer to www.AHRInet.org for more information about updated energy efficiency metrics.

AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

CERTIFICATE NO.: 134093315483160425

Load Short Form
Entire House

New Age Dimensions, LLC.

Job: Lennardo Miller Reside...
Date: 12/04/2025
By: John Pirkl
Plan: Manual J and D

14080 S.E. 122nd Lane Road, Ocklawaha, FL 32179 Phone: (352) 288 - 0686 Fax: (352) 288 - 0684 Email: john.newage@gmail.com

Project Information

For: John F Crawford Homes, LLC
1083 Bessent Road, Starke, FL 32091
Phone: (904) 338 - 5683
Email: crawforddevelopmentgroup@gmail.com

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	68	75
Design TD (°F)	35	17
Daily range	-	M
Inside humidity (%)	50	50
Moisture difference (gr/lb)	29	47

Infiltration

Method	Simplified
Construction quality	Semi-tight
Fireplaces	0

HEATING EQUIPMENT

Make	Carrier
Trade	15 SEER2 HP
Model	GH5SAN54800AA0
AHRI ref	214101900

Efficiency	7.5 HSPF2	
Heating input		
Heating output	47500	Btuh @ 47°F
Temperature rise	27	°F
Actual air flow	1600	cfm
Air flow factor	0.047	cfm/Btuh
Static pressure	0.51	in H2O
Space thermostat		

Capacity balance point = 28 °F

COOLING EQUIPMENT

Make	Carrier
Trade	15 SEER2 HP
Cond	GH5SAN54800AA0
Coil	FJ5ANXC48L15
AHRI ref	214101900

Efficiency	12.0 EER2, 15 SEER2	
Sensible cooling	32900	Btuh
Latent cooling	14100	Btuh
Total cooling	47000	Btuh
Actual air flow	1600	cfm
Air flow factor	0.049	cfm/Btuh
Static pressure	0.51	in H2O
Load sensible heat ratio	0.80	

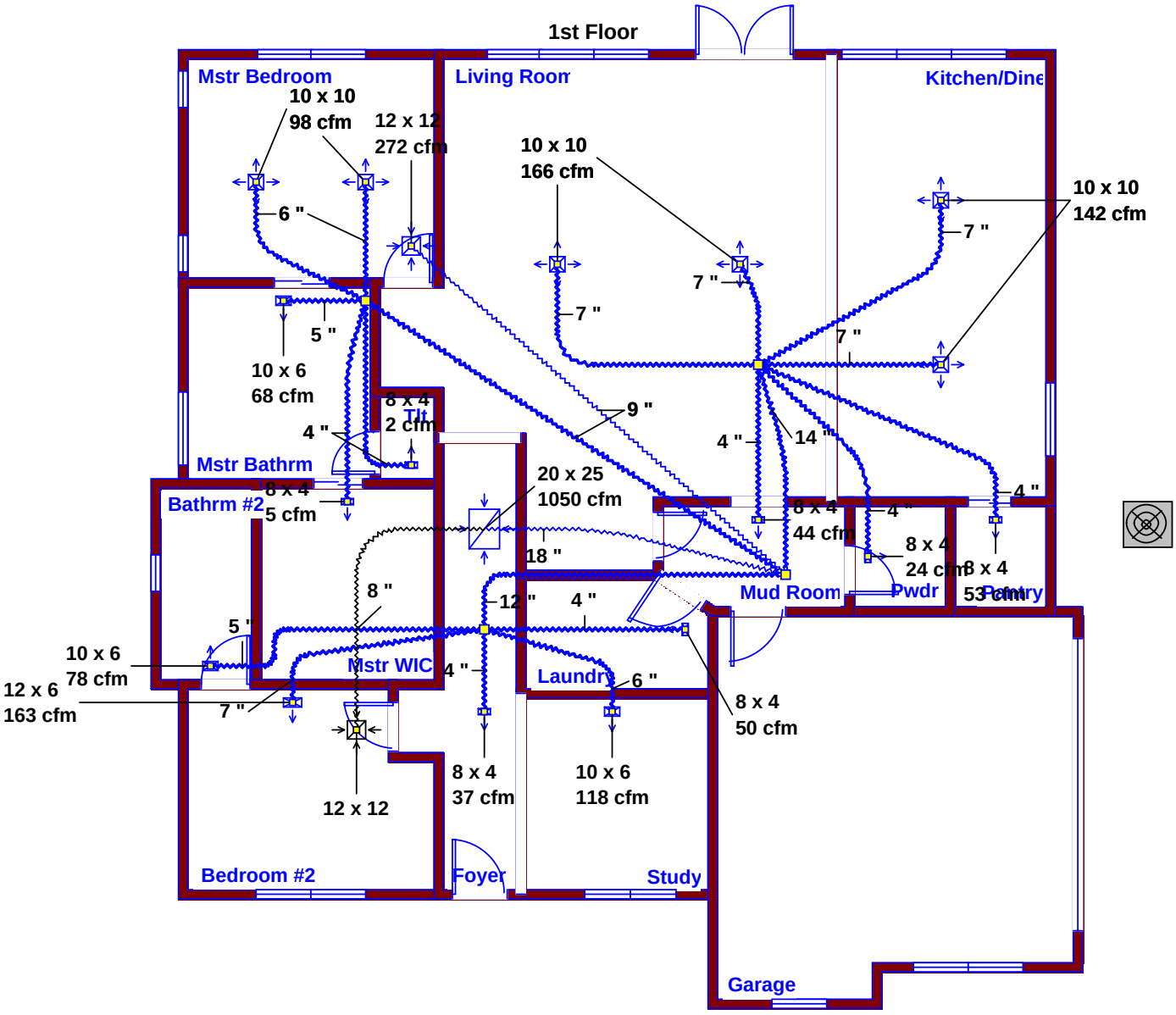
Backup:
Input = 10 kW, Output = 34121 Btuh, 100 AFUE

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Mstr Bedroom	175	4210	3912	196	193
Mstr Bathrm	116	1468	574	68	28
Tlt	18	50	24	2	1
Mstr WIC	110	108	67	5	3
Bathrm #2	61	1666	494	78	24
Bedroom #2	151	3496	3074	163	151
Study	116	2538	2293	118	113
Foyer	123	794	641	37	32
Laundry	65	389	1012	18	50
Pantry	33	1145	277	53	14
Pwdr	33	521	128	24	6
Mud Room	60	924	889	43	44
Kitchen/Dine	294	5633	5782	263	285
Living Room	562	5405	6742	252	332

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

Bedroom #4	138	2297	1944	107	96
Loft	175	1061	1699	50	84
Bathrm #3	63	936	578	44	28
Bedroom #3	142	1664	2367	78	117
Entire House	2432	34305	32498	1600	1600
Other equip loads		3783	3565		
Equip. @ 0.97 RSM			34982		
Latent cooling			9235		
TOTALS	2432	38088	44217	1600	1600

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



Job #: Lennardo Miller Residence
Performed by John Pirkl for:

John F Crawford Homes, LLC
1083 Bessent Road
Starke, FL 32091
Phone: (904) 338 - 5683
crawforddevelopmentgroup@gmail.com

New Age Dimensions, LLC.

14080 S.E. 122nd Lane Road
Ocklawaha, FL 32179
Phone: (352) 288 - 0686 Fax: (352) 288 - 0684
john.newage@gmail.com

Scale: 1 : 107

Right-Suite® Universal 2024
24.0.03 RSU02050
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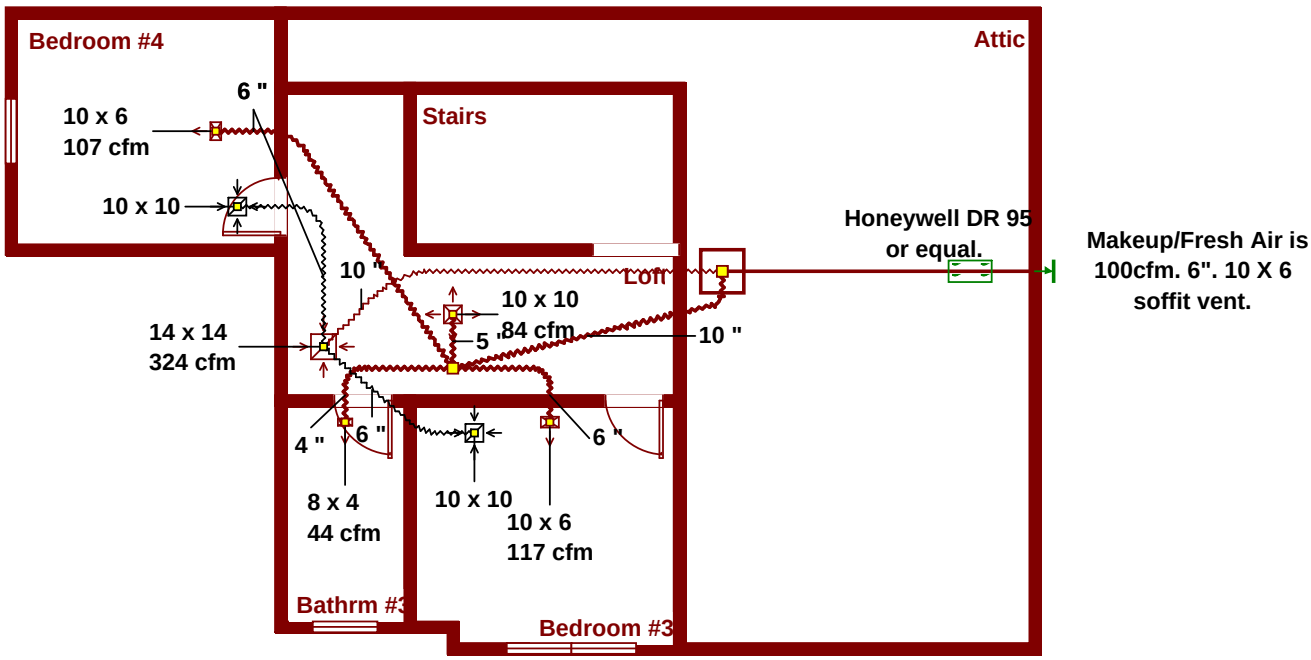
2nd Floor



Manual J was calculated with SPRAY FOAM sprayed 5 1/2" on bottom of roof deck.

Manual S Compliance Report

Entire House

New Age Dimensions, LLC.

Job: Lennardo Miller Reside...
Date: 12/04/2025
By: John Pirkl
Plan: Manual J and D

14080 S.E. 122nd Lane Road, Ocklawaha, FL 32179 Phone: (352) 288 - 0686 Fax: (352) 288 - 0684 Email: john.newage@gmail.com

Project Information

For: John F Crawford Homes, LLC
1083 Bessent Road, Starke, FL 32091
Phone: (904) 338 - 5683
Email: crawforddevelopmentgroup@gmail.com

Cooling Equipment

Design Conditions

Outdoor design DB:	92.0°F	Sensible gain:	36063	Btuh	Entering coil DB:	77.2°F
Outdoor design WB:	76.3°F	Latent gain:	9235	Btuh	Entering coil WB:	64.2°F
Indoor design DB:	75.0°F	Total gain:	45299	Btuh		
Indoor RH:	50%	Estimated airflow:	1600	cfm		

Manufacturer's Performance Data at Actual Design Conditions

Equipment type: Split ASHP
Manufacturer: Carrier Model: GH5SAN54800AA0+FJ5ANXC48L15

Actual airflow:	1600	cfm			
Sensible capacity:	38165	Btuh	106% of load		
Latent capacity:	9950	Btuh	108% of load		
Total capacity:	48115	Btuh	106% of load	SHR:	79%

Heating Equipment

Design Conditions

Outdoor design DB:	33.4°F	Heat loss:	38088	Btuh	Entering coil DB:	65.6°F
Indoor design DB:	68.0°F					

Manufacturer's Performance Data at Actual Design Conditions

Equipment type: Split ASHP
Manufacturer: Carrier Model: GH5SAN54800AA0+FJ5ANXC48L15

Actual airflow:	1600	cfm				
Output capacity:	39674	Btuh	104% of load	Capacity balance:	28	°F
Supplemental heat required:	0	Btuh		Economic balance:	-99	°F

Backup equipment type: Elec strip
Manufacturer: Model:

Actual airflow:	1600	cfm				
Output capacity:	10.0	kW	90% of load	Temp. rise:	20	°F

Meets all requirements of ACCA Manual S.

Duct System Summary

Entire House

New Age Dimensions, LLC.

Job: Lennardo Miller Reside...
Date: 12/04/2025
By: John Pirkl
Plan: Manual J and D

14080 S.E. 122nd Lane Road, Ocklawaha, FL 32179 Phone: (352) 288 - 0686 Fax: (352) 288 - 0684 Email: john.newage@gmail.com

Project Information

For: John F Crawford Homes, LLC
1083 Bessent Road, Starke, FL 32091
Phone: (904) 338 - 5683
Email: crawforddevelopmentgroup@gmail.com

	Heating	Cooling
External static pressure	0.51 in H2O	0.51 in H2O
Pressure losses	0.18 in H2O	0.18 in H2O
Available static pressure	0.33 in H2O	0.33 in H2O
Supply / return available pressure	0.226 / 0.104 in H2O	0.226 / 0.104 in H2O
Lowest friction rate	0.880 in/100ft	0.880 in/100ft
Actual air flow	1600 cfm	1600 cfm
Total effective length (TEL)	301 ft	

Supply Branch Detail Table

Name		Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
Bathrm #2	h	1666	78	24	0.880	5.0	0x 0	VlFx	36.5	170.0	st2
Bathrm #3	h	936	44	28	0.880	4.0	0x 0	VlFx	21.9	165.0	st4
Bedroom #2	h	3496	163	151	0.880	7.0	0x 0	VlFx	32.6	165.0	st2
Bedroom #3	c	2367	78	117	0.880	6.0	0x 0	VlFx	21.4	165.0	st4
Bedroom #4	h	2297	107	96	0.880	6.0	0x 0	VlFx	31.2	165.0	st4
Foyer	h	794	37	32	0.880	4.0	0x 0	VlFx	24.0	160.0	st2
Kitchen/Dine	c	2891	131	142	0.880	7.0	0x 0	VlFx	26.6	165.0	st3
Kitchen/Dine-A	c	2891	131	142	0.880	7.0	0x 0	VlFx	21.7	160.0	st3
Laundry	c	1012	18	50	0.880	4.0	0x 0	VlFx	30.5	160.0	st2
Living Room	c	3371	126	166	0.880	7.0	0x 0	VlFx	28.2	165.0	st3
Living Room-A	c	3371	126	166	0.880	7.0	0x 0	VlFx	17.5	165.0	st3
Loft	c	1699	50	84	0.880	5.0	0x 0	VlFx	16.9	160.0	st4
Mstr Bathrm	h	1468	68	28	0.880	5.0	0x 0	VlFx	32.0	155.0	st1
Mstr Bedroom	h	2105	98	96	0.880	6.0	0x 0	VlFx	37.7	160.0	st1
Mstr Bedroom-A	h	2105	98	96	0.880	6.0	0x 0	VlFx	34.0	155.0	st1
Mstr WIC	h	108	5	3	0.880	4.0	0x 0	VlFx	38.6	160.0	st1
Mud Room	c	889	43	44	0.880	4.0	0x 0	VlFx	20.2	160.0	st3
Pantry	h	1145	53	14	0.880	4.0	0x 0	VlFx	28.8	165.0	st3
Pwdr	h	521	24	6	0.880	4.0	0x 0	VlFx	24.9	165.0	st3
Study	h	2538	118	113	0.880	6.0	0x 0	VlFx	29.3	165.0	st2
Tlt	h	50	2	1	0.880	4.0	0x 0	VlFx	39.0	160.0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st1	Peak AVF	272	225	0.880	616	9.0	0 x 0	VinlFlx	
st2	Peak AVF	414	370	0.880	528	12.0	0 x 0	VinlFlx	
st3	Peak AVF	636	680	0.880	636	14.0	0 x 0	VinlFlx	
st4	Peak AVF	278	324	0.880	595	10.0	0 x 0	VinlFlx	

Return Branch Detail Table

Name	Grille Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb3	12x 11	272	225	87.3	0.880	616	9.0	0x 0		VlFx	
rb2	20x 24	1050	1050	61.8	0.880	594	18.0	0x 0		VlFx	rst4
rb1	14x 11	278	324	94.9	0.880	595	10.0	0x 0		VlFx	rst5

Return Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
rst4	Peak AVF	1050	1050	0.880	594	18.0	0 x 0	VinlFlx	
rst5	Peak AVF	278	324	0.880	595	10.0	0 x 0	VinlFlx	