FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

| | onal Negulation - Nesidential Fenomiance Method |
|--|--|
| Project Name: Lot 9 Fairway View Unit 1-A | Builder Name: |
| Street: Lot 9 Fairway View Unit 1-A City, State, Zip: Lake City, FL, 32055 | Permit Office: Columbia County Permit Number [.] |
| Owner: Yasmanis | Jurisdiction: |
| Design Location FL, Gainesville | County: Columbia(Florida Climate Zone 2) |
| New construction or existing New (From Plans) | |
| Single family or multiple family Detached | a. Concrete Block - Int Insul, Exterior R=4.2 1726.60 ft ² |
| Number of units, if multiple family | b. Frame - Wood, Adjacent R=13.0 286.22 ft² c. N/A |
| 4. Number of Bedrooms 4 | |
| 5. Is this a worst case? | 11 Ceiling Types(2076.8 sqft.) Insulation Area |
| 6 Conditioned floor area above grade (ft²) 1888 | a Flat ceiling under att (Vented) R=38 0 2076.80 ft² |
| Conditioned floor area below grade (ft²) 0 | b N/A c. N/A |
| 7 Windows(177.4 sqft) Description Area | 12. Roof(Comp. Shingles, Vented) Deck R=0.0 2111 ft ² |
| a U-Factor Dbl, U=0.36 177.39 ft | |
| SHGC: SHGC=0 25 b U-Factor: N/A ft | a Sup: Attic, Ret Attic, AH [.] 1st Floor 6 472 b. |
| SHGC: | о. С. |
| c. U-Factor: N/A ft | in death Linearly |
| SHGC: Area Weighted Average Overhang Depth. 5 221 ft | a. Central Unit 25.9 SEER2·15.50 |
| Area Weighted Average SHGC 0.250 | |
| 8. Skylights Description Area | 45 Heating Customs LDtulke Efficiency |
| U-Factor (AVG) N/A N/A fi | a. Electric Heat Pump 34 2 HSPF2:8.80 |
| SHGC(AVG) N/A | |
| 9 Floor Types Insulation Area | |
| a. Slab-On-Grade Edge Insulation R= 0 0 1888 00 b. N/A R= | a. ElectricTankless Cap. 1 gallons |
| | EF: 0.920 b Conservation features |
| | None |
| | 17. Credits CV, Pstat |
| Glass/Floor Area 0.094 Total Proposed Mo | |
| I OTAI BA NOTE Proposed residence must have annual total normalized Modified Loads that are less th | seline Loads: 55.97 an 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 | Review of the plans and |
| this calculation are in compliance with the Florida Energy | Review of the plans and specifications covered by this calculation indicates compliance |
| Code | calculation indicates compliance with the Florida Energy Code. |
| PREPARED BY WNW CTIY) | Before construction is completed |
| 6 / 10 / 2025 | this building will be inspected for |
| DATE | compliance with Section 558.908 Florida Statutes. |
| I hereby certify that this building, as designed, is in complian | |
| with the Florida Energy Code. | The state of the s |
| OWNER/AGENT [·] DATE | BUILDING OFFIC 10 DATE: |
| | REPORTED TO A SOLUTION OF THE PORT OF THE |
| - Compliance requires certification by the air handler un | it manufacturer that the air handler enclosure qualifies as |

- Default duct leakage does not require a Duct Leakage Test Report.

- 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) 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

| | | | | | | PF | ROJE | CT | , | | | | | |
|--------------------------------------|---|--|--|-------------------|-------------------------------------|--|-----------------|--|---------------------------------------|----------------------------|--------------------------|--------------------|---------------|-----------------|
| E G E F J F N Y | Owner Builder Builder Permit Jurisdi Family Vew/E | r Home ID r Name Coffice ction Type Existing Construct | Lot 9 Fairway User Yasmanis Columbia Cou Detached New (From Pla 2025 | inty | Total S Worst Rotate Cross | tioned A Stories Case Angle Ventila House | tion | 4 1888 1 No 0 Yes No Suburban Suburban | Lot i Bloc Plati Stre Cou | k/SubDivisio 3ook et | MM 15 | way View U | nit 1-A | |
| | | | | | | C | LIMA | TE | | | | | | |
| | Desig Locat | | | Tmy Site | | 9 | Design 7 5% | Temp 2 5% | Int Desig Winter | | Heating Degree Days | Design Moisture | | ily temp nge |
| | _ FL, (| Gainesville | | FL_GAINESVIL | LE_REGIC | NA | 32 | 92 | 70 | 75 | 1305 5 | 51 | Medi | um |
| | | | 0.10 | | ** , | В | LOC | KS | | | | | | |
| \checkmark | Numb | per | Name | Area | | Volume |) | | | | | | | |
| | _ 1 | | Block1 | 1888 | | 17615 | cu ft | | | | | | | |
| | | | | | | S | PAC | ES | | | | | | |
| \checkmark | Numb | per | Name | Area | Volum | e Kito | chen | Occupants | Bed | rooms | Finished | Coole | ed l | -leated |
| | _ 1 | | 1st Floor | 1888 | 176 | 15 Y | 'es | 8 | | 4 | Yes | Ye | S | Yes |
| | | | | | | F | LOO | २ऽ | (| Total Ex | posed Ar | ea = 18 | 88 sq | .ft.) |
| \checkmark | # | Floor Typ | e | Space | | (posed erim(ft) | Are | a R-\ Perin | | U-Factor | Slab Insul Vert/Horiz | Tile V | Vood | Carpet |
| | _1 { | Slab-On-Gr | ade Edge Ins | 1st Floor | | 216 | 1888 s | qft 00 | ere des less | 0 304 | 2 (ft)/0 (ft) | 0 00 | 0 00 | 1 00 |
| | | | | | | | ROO | | | | | | | |
| \ | # | Туре | | Materials | Roof Area | Gable Area | Frami Frac | | Rad Barr | Solar Absor | SA Emi Tested | tt Emitt Tested | Deck Insul | Pitch (deg) |
| | _1 | Hip | Com | position shingles | 2111 ft² | 0 ft | ² 01 | i Mediun | n Y | 0 96 | No 09 | No | 0 | 26 57 |
| | | | | | | | ATTI | C | | | | | | |
| <u> </u> | # | Туре | | Ventila | tion | V | /ent Rati | o (1 in) | Area | RBS | IRC | С | | |
| | 1 Full attic Vented 300 1888 ft² Y N | | | | | | | | | | | | | |
| | | | | | | С | EILIN | IG | (| Total Ex | posed Ar | ea = 20° | 77 sq | .ft.) |
| <u> </u> | # | Ceiling Ty | pe | | Space | | R-Value | e Ins Typ | e Ar | ea U-Fa | ictor Framii | ng Frac | Trus | s Type |
| | 1 F | Flat ceiling (| under attic(Ven | ted) | 1st Floor | | 38 0 | Double B | att 2076 | 8ft² 0 0 | 24 0 | 11 | V | /ood |

INPUT SUMMARY CHECKLIST REPORT

| | | | WALLS | | (Tota | I Exposed Are | ea = 2013 sq.f | t.) | |
|--|--|--|---|---|---|--|---|--|--|
| √# Ornt To | ent Wall Type | Space | Cavity R-Value | Width Ft In | Height Ft In | | neath Frm Solar Value Frac. Absor | Below Grade | |
| 2 S E: 3 S E: 4 W E: 5 S E: 6 E E: 7 N E: 8 W E: 9 N E: 10 N E: 11 W E: 12 S G | xterior Conc. Blk - Int In Xterior Conc B | s 1st Floor 1st Floor 1st Floor | 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 13 0 13 0 | 12 0 4 8 0 0 6 0 0 5 0 0 15 3 0 46 0 4 15 0 4 11 0 4 20 0 0 26 0 4 19 0 0 19 0 4 11 0 4 | 9 0 4 9 0 4 | 115 1 0 147 74 7 0 147 56 0 0 147 46 7 0 147 143 1 0 147 432 4 0 147 143 1 0 147 105 8 0 147 186 7 0 147 245 8 0 147 177.3 0.147 180 4 0 084 105 8 0 084 | 0 075 0 075 0 075 0 075 0 075 0 075 0 075 0 075 0 075 0 075 0 075 0 075 0 075 0 075 0 075 0 075 0 075 0 075 | 0 % 0 % 0 % 0 % 0 % 0 % 0 % 0 % 0 % | |
| | | | DOORS | | (То | otal Exposed A | Area = 44 sq.f | t.) | |
| √# Ornt A | djacent To Door Type | Space | Storr | ns | U-Value | Width Ft In | Height Ft In Are | a | |
| 1 S 2 W | Exterior Insulated Garage Insulated | 1st Floor 1st Floor | No No | | 0 46 0 46 | | | 24 Oft ² 20 Oft ² | |
| | | Ν | INDOW | /S | (Tot | al Exposed A | rea = 177 sq.f | t.) | |
| Wall # Ormt ID F | rame Panes N | IFRC U-Factor SHGC | Imp Storm | | ame Width Inits (ft) | HeightOverhang (ft) Depth Sep (ft) (ft) | Interior Shade | Screen | |
| 2 S 3 3 S 5 4 E 6 5 E 6 6 N 7 7 N 9 8 N 9 9 N 10 | Vinyl Low-E Double TIM Low-E Double Vinyl Low-E Double | Y 0 36 0 25 Y 0 36 0 25 | N N N N N N N N N N N N N N N N N N N | 18 0 18 0 18 0 4 7 18 0 18 0 48 0 12 0 4 7 18 0 | 1 3 00 1 3 00 1 3 00 1 2 17 1 3 00 1 3 00 2 3 00 1 3 00 1 3 00 1 3 00 1 3 00 | 6 00 15 10 6 00 15 10 6 00 15 10 2 17 15 10 6 00 15 10 6 00 15 10 8 00 12 5 10 4 00 12 5 10 6 00 15 10 | None None None None None None None None | None None None None None None None None | |
| | | INF | ILTRAT | ION | | | | | |
| √ # Scope | Method | SLA CFM50 | ELA | EqLA | ACH | ACH50 Space(s) | Infiltration Test | Volume | |
| 1 Wholehouse | Proposed ACH(50) | 0 00041 2055 | 112 75 | 211 67 | 0 1459 | 70 All | 17615 cu ft | | |
| | | (| GARAGI | | | | | ly and a first trans | |
| √# Floor Area | Length Width | Roof Area Ex | posed Perime | eter Area | Under Uncon | d Avg Wall Height | ht Exposed Wall Insulation | | |
| 1 400 ft² | 20 0 ft ² 20 0 ft ² | 400 ft ² | 48 ft | | 400 ft | 8 ft | 1 | | |
| | MASS | | | | | | | | |
| √# Mass Type | | Area | Thickness | \$ | Furniture Fra | ction Spac | ce | | |
| 1 Default(8 lbs | 1 Default(8 lbs/sq ft) 0 ft² 0 ft 0 30 1st Floor | | | | | | | | |

FORM R405-2023

INPUT SUMMARY CHECKLIST REPORT

| | | | | | HE | ATING | SYS1 | ГЕМ | | | | | | |
|------------------------------|---------------------------------|-------------------------------------|-------------------------------|-----------------------------|-----------------|------------------|------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------------|---------------|-----------------------|--|
| / # | System Type | | Su | btype/Spee | d | AHRI# | Efficienc | | pacity 3tu/hr Er | Geotherr try Powe | | ımp Currer | Ducts nt | Block |
| 1 | Electric Heat P | ump | ١ | lone/Single | | | HSPF2 8. | .80 3 | 34 2 | 0 00 | 0 00 | 0 00 | sys#1 | 1 |
| | | | | | CC | OOLING | 3 SYS | ГЕМ | | | | | | |
| / # | System Type | | Su | btype/Spee | d | AHRI# | Efficie | ncy | Capacity kBtu/hr | | Flow fm | SHR | Duct | Block |
| 1 | Central Unit | _ | | None/Sing | le | | SEER2 | 15 5 | 25 9 | 7 | 80 | 0 75 | sys#1 | 1 |
| | | | | | HO ⁻ | T WATI | ER SY | STEN | | | | | | |
| \(\psi \) | System Type | Subtype | | Location | | EF(UEF) | Сар | Use | SetPnt | Fixt Flo | ow Trap | o Pip | e Ins | Pipe length |
| 1 | Electric | Tankless | | Garage | | 0 92 (0 92) |) 1 0 gal | 40 ga | ıl 120 deç | Standa | rd Yes | N | one | 12 |
| | Recirculation System | | Control ype | | Loop length | Branch length | Pump power | DWH | R Facilit Conne | | | | Other C | redits |
| 1 | No | | | | NA | NA | NA | No | NA | NA | . NA | | Nor | 10 |
| | | | | | | DU | CTS | | | | | | | |
| V Duo | | upply R-Value Ar | | Ret | urn R-Value | | Leakage T | ·уре | AHU Location | CFM 25 TOT(OUT | QN OUT SI | AHU EALED | RLF | HVAC# Heat Cool |
| 1/ | Attic | 6 0 472 f | t² | Attic | 60 | 94 ft² [| Default Lea | kage | 1st Floor | (Default) (I | Default) | | | 1 1 |
| | | | | | T | EMPE | RATUR | RES | | | | | | Service of the servic |
| Prog Cool Heat Vent | ting [X] Jan | ostat Y []Feb [X]Feb []Feb | [] Mar [X] Mar [X] Mar | [] Apr [] Apr [X] Apr | [] | May [] |] Jun Jun | [X] Jul [] Jul [] Jul | [X] Aug [] Aug [] Aug | [X] Sep [] Sep [] Sep | [] Oct [] Oct [X] Oct | [X] | Nov] Nov] Nov | [] Dec [X] Dec [] Dec |
| | ermostat Schedu chedule Type | ule HERS 2 | 006 Refere | ence 2 | 3 | 4 | 5 | H0 | ours 7 | 8 | 9 | 10 | 11 | 12 |
| Co | poling (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 |
| Co | poling (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 |
| He | eating (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 |
| He | eating (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* = 94

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

Lot 9 Fairway View Unit 1-A, Lake City, FL, 32055

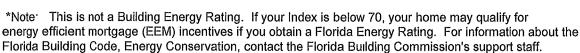
| 1. | New construction or ex | isting | New (Fr | om Plans) | 10. | Wall Types (2012.9 sqft.) | Insulatio | n | Area |
|--------|---|--|----------------------------------|--|------------------------|--|-------------------|--|---|
| 2. | Single family or multiple | e family | | Detached | | Concrete Block - Int Insul, Exterior | | | .60 ft ² |
| 3. | Number of units, if mult | liple family | | 1 | | Frame - Wood, Adjacent N/A | R=13.0 | 286 | .22 ft ² |
| 4 | Number of Bedrooms | | | 4 | | N/A | | | |
| 5. | Is this a worst case? | | | No | | Ceiling Types(2076.8 sqft.) | Insulation | | Area |
| 6. | Conditioned floor area Conditioned floor area | - | | 1888 0 | b. | Flat ceiling under att (Vented) N/A N/A | R=38.0 | 2076 | .80 tt² |
| а | Windows** . U-Factor ⁻ SHGC: . U-Factor ⁻ SHGC. | Description Dbl, U=0.36 SHGC=0.25 N/A | | Area 177.39 ft² ft² | 12. 13. a. b. | Roof(Comp. Shingles, Vented) De Ducts, location & insulation level Sup' Attic, Ret. Attic, AH' 1st Floor | |) 2 ² R 6 | 111 ft ² ft ² 472 |
| ρ | U-Factor SHGC: vea Weighted Average vea Weighted Average | | epth | ft ² 5.221 ft 0 250 | | Cooling Systems Central Unit | kBtu/hr 25 9 S | | ciency 15 50 |
| 8 | Skylights U-Factor.(AVG) SHGC(AVG) | Description N/A N/A | | Area N/A ft² | | Heating Systems Electric Heat Pump | kBtu/hr 34.2 | Efficient Effici | ciency 2:8.80 |
| a b | Floor Types Slab-On-Grade Edge N/A N/A | | Insulation R= 0 0 R= R= | Area 1888.00 ft ² ft ² | a. | Hot Water Systems ElectricTankless Conservation features | С | ap: 1 g EF· | allons 0.920 None |
| | | | | | 17. | Credits | | CV, | 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 _____

Address of New Home: Lot 9 Fairway View Unit 1-A

City/FL Zip: Lake City,FL,32055



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



Envelope Leakage Test Report (Blower Door Test) Residential Prescriptive, Performance or ERI Method Compliance 2023 Florida Building Code, Energy Conservation, 8th Edition

| | The second secon |
|--|--|
| Jurisdiction: | Permit # ⁻ |
| Job Information | |
| Builder: Community: | Lot: NA |
| Address: Lot 9 Fairway View Unit 1-A | |
| City: Lake City State | e: FL Zip: 32055 |
| Air Leakage Test Results Passing results must meet | either the Performance, Prescriptive, or ERI Method |
| PRESCRIPTIVE METHOD-The building or dwelling unit shall be tes changes per hour at a pressure of 0.2 Inch w.g. (50 Pascals) In Olim | ted and verified as having an air leakage rate of not exceeding 7 air ate Zonés 1 and 2 |
| PERFORMANCE or ERI METHOD-The building or dwelling unit sha the selected ACH(50) value, as shown on Form R405-2023 (Performance) ACH(50) specified on Form R405-2023-Energy Cal | |
| x 60 ÷ 17615 CFM(50) PASS When ACH(50) is less than 3, Mechanical Ventilation is must be verified by building department | Method for calculating building volume Retrieved from architectural plans Code software calculated Field measured and calculated |
| R402.4.1.2 Testing. The building or dwelling unit shall be tested and verifie per hour in Climate Zones 1 and 2, and three air changes per hour in Climat than three air changes per hour shall be provided with whole-house mecha and Section M1507 3 if the Florida Building Code, Residential Testing shall be reported at a pressure of 0.2 inch w.g. (50 Pascals). Testing shall be conditable Florida Statues, or individuals licensed as set forth in Section 489 105(3)(f), results of the test shall be signed by the party conducting the test and proving after creation of all penetrations of the building thermal envelope. During testing 1. Exterior windows and doors, fireplace and stove doors shall be closed, be control measures. 2. Dampers including exhaust, intake, makeup air, back draft and flue dampeneasures. 3. Interior doors, if installed at the time of the test, shall be open. 4. Exterior doors for continuous ventilation systems and heat recovery vent. 5. Heating and cooling systems, if installed at the time of the test, shall be to Supply and return registers, if installed at the time of the test, shall be full. 7. If an attic is both sealed and insulated at the roof deck, interior access do attic shall be opened during the test and the volume of the attic shall be add the infiltration volume and calculating the air leakage of the home. | the Zones 3 through 8 Dwelling units with an air leakage rate less nical ventilation in accordance with Section R403 6 1 of this code be conducted in accordance with ANSI/RESNET/ICC 380 and sucted by either individuals as defined in Section 553 993(5) or (7), (g), or (i) or an approved third party. A written report of the ded to the intended weatherstripping or other infiltration pers shall be closed, but not sealed beyond intended infiltration control dilators shall be closed and sealed during off ly open pors and hatches between the conditioned space volume and the |
| Testing Company | |
| Company Name I hereby verify that the above Air Leakage results are in accordance with the requirements according to the compliance method selected above | Phonehe 2023 8th Edition Florida Building Code Energy Conservation |
| Signature of Tester | Date of Test· |
| Printed Name of Tester: | |
| License/Certification #: | Issuing Authority: |