# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

| Project Name WEST Street 463 LAKE HARRIS D City, State, Zip LAKE CITY, FL, Owner ANITA AND JERRY V Design Location FL, Ocala  |  | Builder Name DON REED CONSTRU Permit Office. COLUMBIA COUNTY Permit Number Jurisdiction  | CTION LLC.   |
|---|--|--|--|
| <ol> <li>New construction or existing</li> <li>Single family or multiple family</li> <li>Number of units, if multiple family</li> <li>Number of Bedrooms</li> <li>Is this a worst case?</li> <li>Conditioned floor area above grade (ft²)</li> <li>Conditioned floor area below grade (ft²)</li> <li>Windows(363 3 sqft.) Description         <ul> <li>U-Factor. Dbl, U=0 59</li> <li>SHGC</li> <li>U-Factor N/A</li> <li>SHGC</li> <li>U-Factor N/A</li> <li>SHGC</li> </ul> </li> <li>U-Factor N/A</li> <li>SHGC</li> <li>U-Factor SHGC</li> <li>U-Factor SHGC</li> <li>U-Factor SHGC</li> <li>U-Factor SHGC</li> <li>SHGC</li> <li>U-Factor SHGC</li> <li>U-Factor SHGC</li> <li>SHGC</li> <li>SHGC</li> <li>Area Weighted Average Overhang Depth Area Weighted Average SHGC</li> <li>Floor Types (2370 0 sqft)</li> <li>Slab-On-Grade Edge Insulation</li> <li>N/A</li> <li>N/A</li> <li>N/A</li> </ol> | New (From Plans) Single-family 1 3 No 2370 0 Area 363 33 ft² ft² ft² ft² ft² 2 4 972 ft. 0 230 Insulation Area R=0 0 2370 00 ft² R= ft² R= ft² | 9 Wall Types (2466.7 sqft.) a Frame - Wood, Exterior b Frame - Wood, Adjacent c. N/A d N/A  10 Ceiling Types (2370 0 sqft.) a Roof Deck (Unvented) b N/A c. N/A  11 Ducts a Sup Attic, Ret. Main, AH Main  12 Cooling systems a Central Unit  13 Heating systems a Electric Heat Pump  14 Hot water systems a Electric b Conservation features None 15 Credits | Insulation Area R=19.0 2326 70 ft² R=19 0 140.00 ft² R= ft² R= ft² Insulation Area R=19 8 2370.00 ft² R= ft² R= ft² R= ft² A ft² R ft² A ft² B f |
| Glass/Floor Area: 0 153   | Total Proposed Modified<br>Total Standard Reference  |  | PASS   |
| PREPARED BY.  | the Florida Energy ST DISULATORS  (342) 6495157  (342) 7957359   | 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.   | COD WE THE STATE OF THE STATE O |

- Compliance requires completion of a Florida Air Barrier and Insulation Inspection Checklist

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DATE: \_\_\_\_\_

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|---|--|--|--|---------------------------|-----------------|--|--|--|--|---------------------------|---------------------------------------|
| Title' Building Type: Owner' # of Units Builder Name. Permit Office: Jurisdiction: Family Type' New/Existing: Comment | COLUMBIA Consideration Single-family New (From Plane)  | ONSTRUCTIO<br>OUNTY  | Bedrooms<br>Conditioned<br>Total Stories<br>Worst Case<br>Rotate Angle<br>Cross Ventila<br>Whole House   | · 1<br>No<br>e 0<br>ation |                 | nd magaga proce Mail 4 mility gyaccoust destruction  | Address Lot # Block/Sul PlatBook Street. County City, State  | Division<br>e, Zip:  | Street Add<br>463 LAKE<br>COLUMB<br>LAKE CIT   | : HARF<br>IA              | RIS DRI                               |
| y de la deservações de la deservações de la composition de la defenda de la composition de la composition de l        | ga karan dinasedi asal kwanga karanda di Karanga paga  | т у фарт до подобова — иновестно пред се общено водина на се об ток в не дав водина по дована на пред водина п<br>Стата на пред се общено водина на п   | generativing in Strategies (1997) but in which a deleting of   | CLIMATE                   |                 | er ennem de diel de derenge, en die de   |  |  |  | 20 STA OUT THE WHITE      | ayayattaa waa ay ca                   |
| V Desig   | gn Location  | TMY Site   | IECC<br>Zone   | _                         | n Temp<br>6 25% | Int Desig<br>Winter  |  | Heating<br>Degree Da   |  |                           | aily Temp<br>Range                    |
| F   | L, Ocala   | FL_OCALA_MUNI  | _(AWO 2  | 28                        | 91              | 70   | 75   | 1144 5   | 5'   | ingo symmicilis           | Medium                                |
|   |  |  |  | BLOCKS                    |                 |  |  |  |  |                           |                                       |
| Number  | Name   | Area   | Volume   |                           |                 | (C)  |  |  |  |                           |                                       |
| 1   | Block1   | 2370   | 23700  |                           |                 |  |  |  |  | BU 100 BV                 |                                       |
|   |  |  |  | SPACES                    |                 | AND PROPERTY AND PROPERTY OF THE PROPERTY OF THE   | DARROW PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TO ADDRESS OF THE PE |  |  | and the Landson           |                                       |
| Number  | Name   | Area   | Volume Kit   | chen Oc                   | cupants         | Bedrooms   | Infil II   | D Finish   | ed C   | ooled                     | Heated                                |
| 1   | Main   | 2370   | 23700  | Yes                       | 2               | 3  | 1  | Yes  | Y  | es                        | Yes                                   |
|   |  | et en  |  | FLOORS                    |                 | enteren de l'annual de l'a |  | er et ingeneraliste d'appropriet et a  | ije gastolištikamo gastolista  |                           |                                       |
| #   | Floor Type   | Space  | Perime   | eter R-\                  | /alue           | Area   |  |  | Tile '   | Nood                      | Carpet                                |
| 1 Slab  | -On-Grade Edge   | e Insulatio Ma   | ain 246 8 f  | ft                        | 0               | 2370 ft²   | be set he pu   |  | 0  | 0                         | 1                                     |
| ele etti jastuu erespyyttä sooja tuusista kuulusta suuvuvan joista kulle elektiin ja etti taleettiin ja etti t        | rawatan maka a keminan pagang gang dan oleh Samura Maja mengana  | ar gygr mei an hei eiddes ach a'r i go am areadh o de dheill an daeth y ga bog gei ghlib   | ali kani santanya nga mjerjela ika distan arang paga Lai   | ROOF                      |                 | de motre egy men skól ta sigye rengyment á kistólit  |  | Hidaugunungan ja sebaran seganya   |  | ACT X AND TO SERVICE      | in in the second second second second |
| #   | Туре   | Materials  | Roof<br>Area   | Gable<br>Area             | Roof<br>Color   | Solar<br>Absor   | SA<br>Tested   | Emitt  | Emitt<br>Tested  | Deck<br>Insul             | Pitch<br>(deg)                        |
| 1   | Hip  | Composition shing  | les 2498 ft²   | 0 ft²                     | Medium          | 0 96   | No   | 09   | No   | 198                       | 18 4                                  |
| OO NOON THE   | NAME OF THE PROPERTY OF THE PR | WHEN I WHEN I WAS TO SEE THE SECOND OF THE S | NO.  | ATTIC                     |                 | on NY 10-21 on 2017 and 10-21 on 10-21   | ALL AND THE REAL PROPERTY OF THE PARTY OF TH |  |  |                           |                                       |
| #   | Туре   | Ventile  | ation \  | /ent Ratio (1             | in)             | Area   | RBS  | IRCC   |  |                           | - No.                                 |
| 1   | Full attic   | Unvei  | nted   | 0                         | 2               | 2370 ft²   | N  | N  |  |                           |                                       |
|   | ne proposition de la composition della compositi |  | ar oo lata ay ah oo dharahay dhaa ah  | CEILING                   |                 |  |  | in the second control of the second control  |  | ent, request i todore e s |                                       |
| <b>/</b> #  | Ceiling Type   | en para anticologica de la companya   | Space  | R-Value                   | Aı              | ea   | Framing  | ı Frac   | Tru  | ıss Typ                   | е                                     |
| 1   | Under Attic (Ur  | nvented)   | Main   | 19 8                      | 23              | 70 ft²   | 0 1  | 1  |  | Wood                      |                                       |

|              |                          |            |                    |              |              | WA                | LLS       |            |          |             |                       |  |                     |               |          |
|--------------|--------------------------|------------|--------------------|--------------|--------------|-------------------|-----------|------------|----------|-------------|-----------------------|--|---------------------|---------------|----------|
| V #          | _Orni                    | Adja<br>To |                    | II Туре      | Space        | Cavity<br>R-Value | Wid<br>Ft | th<br>In   | He<br>Et | eight<br>In | Area                  | Sheathing<br>R-Value                   | Framing<br>Fraction | Sola:<br>Abso |          |
| 1            | Ε                        | Exteri     |                    | ame - Wood   | Main         | 19                | 63        | 4          | 10       |             | 633 3 ft <sup>2</sup> | 0                                      | 0                   | 0 75          |          |
| 2            | W                        | Exteri     | or Fra             | ame - Wood   | Main         | 19                | 64        | 4          | 10       |             | 643.3 ft <sup>2</sup> |  | 0                   | 0 75          | C        |
| 3            | s                        | Exteri     | or Fra             | ame - Wood   | Main         | 19                | 46        |            | 10       |             | 460 0 ft <sup>2</sup> |  | 0                   | 0.75          | C        |
| 4            | N                        | Exteri     | or Fra             | ame - Wood   | Main         | 19                | 59        |            | 10       |             | 590 0 ft <sup>2</sup> |  | 0                   | 0 75          | C        |
| 5            | s                        | Garaç      | e Fra              | ame - Wood   | Main         | 19                | 14        |            | 10       |             | 140 0 ft²             |  | 0                   | 0 75          | (        |
|              |                          |            |                    |              |              | DO                | ORS       | <i>a</i> . |          |             |                       |  |                     |               |          |
| $\checkmark$ | #                        | O          | nt                 | Door Type    | Space        |                   |           | Storms     | 3        | U-Valu      | e<br>F                | Width<br>t In                          | Heigh<br>Ft         | t<br>In       | Area     |
|              | 1                        | E          | :                  | Wood         | Main         |                   |           | None       |          | .46         | 2                     | 8                                      | 6                   | 8             | 17 8 ft² |
|              | 2                        | E          | <b>.</b>           | Wood         | Main         |                   |           | None       |          | 46          | 2                     | 8                                      | 6                   | 8             | 17 8 ft² |
|              | 3                        | ν          | <b>/</b>           | Wood         | Main         |                   |           | None       |          | 46          | 9                     | ı                                      | 8                   |               | 72 ft²   |
|              | 4                        | P          | J                  | Wood         | Main         |                   |           | None       |          | .46         | 3                     | ı                                      | 6                   | 8             | 20 ft²   |
|              | 5                        | ı          | 1                  | Wood         | Main         |                   |           | None       |          | 46          | 3                     |  | 6                   | 8             | 20 ft²   |
|              |                          | - Admi     | i i a a mila a mas |              |              |                   | ows       |            |          |             |                       | ······································ |                     |               |          |
| /            | <del>بينبره جيند</del> ب | Wa         |                    | Ori          | entation sho | wn is the er      | ntered, I | ropose     | d ori    | entation    | 7                     | rhang                                  |                     |               |          |
| /            | #                        | Ornt ID    | Frame              | Panes        | NFRC         | U-Factor          | SHGC      |            |          | Area        |                       | Separation                             | Int Sh              | ade           | Screeni  |
|              | 1                        | E 1        | Vinyi              | Low-E Double | Yes          | 0 59              | 0 23      |            | •        | 18.0 ft²    | 2 ft 0 in             | 1 ft 0 in                              | Drapes/             | olinds        | None     |
|              | 2                        | E 1        | Vinyl              | Low-E Double | Yes          | 0 59              | 0 23      |            |          | 18 0 ft²    | 2 ft 0 in             | 1 ft 0 in                              | Drapes/l            | olinds        | None     |
|              | 3                        | E 1        | Vinyl              | Low-E Double | Yes          | 0 59              | 0 23      |            | ,        | 18.0 ft²    | 2 ft 0 in             | 1 ft 0 in                              | Drapes/l            | olinds        | None     |
|              | 4                        | E 1        | Vinyl              | Low-E Double | Yes          | 0 59              | 0 23      |            |          | 18 0 ft²    | 2 ft 0 in             | 1 ft 0 in                              | Drapes/l            | olinds        | None     |
|              | 5                        | E 1        | Vinyl              | Low-E Double | Yes          | 0 59              | 0 23      |            | •        | 18 0 ft²    | 2 ft 0 in             | 1 ft 0 in                              | Drapes/l            | olinds        | None     |
|              | 6                        | E 1        | Vinyl              | Low-E Double | Yes          | 0 59              | 0.23      |            |          | 18 0 ft²    | 2 ft 0 in             | 1 ft 0 in                              | Drapes/l            | olinds        | None     |
|              | 7                        | E 1        | Vinyl              | Low-E Double | Yes          | 0 59              | 0 23      |            |          | 5 3 ft²     | 2 ft 0 in             | 1 ft 0 in                              | Drapes/l            | olinds        | None     |
|              | 8                        | E 1        | Vinyl              | Low-E Double | Yes          | 0 59              | 0 23      |            |          | 5 3 ft²     | 2 ft 0 in             | 1 ft 0 in                              | Drapes/l            | blinds        | None     |
|              | 9                        | W 2        | Vinyl              | Low-E Double | Yes          | 0 59              | 0 23      |            | 7        | 72 0 ft²    | 17 ft 0 in            | 1 ft 0 in                              | Drapes/l            | olinds        | None     |
|              | 10                       | W 2        | Vinyl              | Low-E Double | Yes          | 0 59              | 0 23      |            |          | 16 0 ft²    | 2 ft 0 in             | 1 ft 0 in                              | Drapes/l            | olinds        | None     |
|              | 11                       | W 2        | Vinyl              | Low-E Double | Yes          | 0.59              | 0.23      |            |          | 16 0 ft²    | 2 ft 0 in             | 1 ft 0 in                              | Drapes/l            | olinds        | None     |
|              | 12                       | W 2        | Vinyl              | Low-E Double | Yes          | 0 59              | 0 23      |            |          | 16 0 ft²    | 2 ft 0 in             | 1 ft 0 in                              | Drapes/             | blinds        | None     |
|              | 13                       | W 2        | Vinyl              | Low-E Double | Yes          | 0 59              | 0 23      |            |          | 16.0 ft²    | 2 ft 0 in             | 1 ft 0 in                              | Drapes/I            | olinds        | None     |
|              | 14                       | W 2        | Vinyl              | Low-E Double | Yes          | 0 59              | 0 23      |            |          | 5 3 ft²     | 2 ft 0 in             | 1 ft 0 in                              | Drapes/l            | blinds        | None     |
|              | 15                       | W 2        | Vinyl              | Low-E Double | Yes          | 0.59              | 0 23      |            |          | 5 3 ft²     | 2 ft 0 in             | 1 ft 0 in                              | Drapes/             |               | None     |
|              | 16                       | W 2        | Vinyl              |              | Yes          | 0 59              | 0.23      |            |          | 5 3 ft²     | 2 ft 0 in             | 1 ft 0 in                              | Drapes/             |               | None     |
|              | 17                       | W 2        | Vinyl              | Low-E Double | Yes          | 0 59              | 0 23      |            |          | 5 3 ft²     | 2 ft 0 in             | 1 ft 0 in                              | Drapes/             |               | None     |
|              | 18                       | S 3        | Vinyl              | Low-E Double | Yes          | 0 59              | 0 23      |            |          | 16 0 ft²    | 2 ft 0 in             | 1 ft 0 in                              | Drapes/             |               | None     |
|              | 19                       | S 3        | Vinyl              | Low-E Double | Yes          | 0 59              | 0 23      |            |          | 16 0 ft²    | 2 ft 0 in             | 1 ft 0 in                              | Drapes/             |               | None     |
|              | 20                       | S 3        | Vinyi              | Low-E Double | Yes          | 0 59              | 0 23      |            |          | 18 0 ft²    | 2 ft 0 in             | 1 ft 0 in                              | Drapes/             |               | None     |
|              | 21                       | N 4        | Vinyl              | Low-E Double | Yes          | 0 59              | 0.23      |            |          | 5 3 ft²     | 2 ft 0 in             | 1 ft 0 in                              | Drapes/             |               | None     |
|              | A I                      |            | viiiyi             | LOW L DOUDIG | 100          | 5 05              | 0.20      |            |          | 0011        | ~ 11 O III            | 1 16 () 111                            | D. ahea             | ~111143       | 140110   |
|              | 22                       | N 4        | Vinyl              | Low-E Double | Yes          | 0 59              | 0 23      |            |          | 16.0 ft²    | 2 ft 0 in             | 1 ft 0 in                              | Drapes/             | hlinda        | None     |

| - <u>25.2</u> 5 (8. 1 <sub>0</sub> ) |             |                     | No. 300 Handard  |  | G/           | ARAGE         |        |  |               |                    |  |      |                      |
|--------------------------------------|-------------|---------------------|--|--|--------------|---------------|--------|--|---------------|--------------------|--|------|----------------------|
|                                      | / #         | Floor Area          | Ce   | eiling Area  | Exposed      | d Wall Perime | ter    | Avg Wall i                                 | Height        | Exposed            | Wali insulati                            | on   |                      |
|                                      | 1           | 756 ft²             |  | 756 ft²  |              | 14 ft         |        | 10 ft                                      |               |                    | 19                                       |      |                      |
|                                      |             |                     |  |  | INFIL        | TRATION       |        | ***************************************    |               |                    |  |      | *                    |
| #                                    | Scope       | Method              |  | SLA  | CFM 50       | ELA           | EqL    | _A A                                       | ACH           | ACH :              | 50                                       |      |                      |
| 1                                    | Wholehous   | se Best Guess       |  | 0005   | 3108 3       | 170 64        | 320    | 91   | 365           | 7 86               | 9  |      |                      |
|                                      |             |                     | 3 1 1 m 2 1  |  | HEATIN       | IG SYSTE      | VI     |  |               |                    |  |      |                      |
| V                                    | / #         | System Type         |  | Subtype  |              | Effi          | ciency | Сар  | acity         |                    | Block                                    | . D  | ucts                 |
|                                      | 1           | Electric Heat Pu    | mp   | None   |              | HS            | PF: 8  | 48 kl                                      | Btu/hr        |                    | 1  | sy   | /s#1                 |
|                                      |             |                     |  |  | COOLI        | NG SYSTE      | M      |  |               |                    |  | /_\x |                      |
|                                      | / #         | System Type         |  | Subtype  |              | Effic         | iency  | Capacity                                   | Air F         | low SH             | R Block                                  | D    | ucts                 |
|                                      | 1           | Central Unit        |  | None   |              | SEE           | R. 13  | 48 kBtu/hr                                 | 1440          | cfm 0 7            | 75 1                                     | sy   | /s#1                 |
|                                      |             |                     |  | and the second   | HOT WA       | TER SYST      | EM     | ***************************************    | <u> </u>      |                    | en e |      | ilea Sanasa liili Sa |
| V                                    | / #         | System Type         | SubType  | Location   | EF           | Сар           |        | Use  | SetPnt        |                    | Conservati                               | on   |                      |
|                                      | 1           | Electric            | None   | Garage   | 0 92         | 50 gal        | 6      | 0 gal                                      | 120 deg       |                    | None                                     |      |                      |
|                                      |             |                     | The state of the s | SOL  | AR HOT       | WATER SY      | STE    | VI   |               | · Vandaman (see A) |  |      |                      |
| V                                    | FSE<br>Cert |                     | ame  | and the second s | System M     | odel#         | Coll   | ector Mode                                 |               | llector<br>Area    | Storage<br>Volume                        | FEF  | <u> </u>             |
|                                      | Noi         | ne None             |  |  |              |               | .,,    |  |               | ft²                |  |      |                      |
|                                      |             |                     |  |  | D            | UCTS          |        | ुर्वेद्धिक वेद्यार्थ जेन्द्रसम् । ४० अस् । |               |                    |  |      |                      |
| V                                    | / #         | Supp<br>Location R- |  | Ref<br>Location  | turn<br>Area | Leakage T     | vne    | Air<br>Handler                             | CFM 25<br>TOT | CFM25<br>OUT       | QN RLF                                   |      | AC #<br>Cool         |
|                                      | 1           | Attic               | 6 474 ft <sup>2</sup>  | Main   | 118 5 ft     | Default Leal  |        | Main                                       | (Default)     |                    |  | 1    | 1                    |

|                               | TEMPERATURES                          |          |                               |                       |          |                         |                           |                           |                           |                         |                |                     |                         |                         |
|-------------------------------|---------------------------------------|----------|-------------------------------|-----------------------|----------|-------------------------|---------------------------|---------------------------|---------------------------|-------------------------|----------------|---------------------|-------------------------|-------------------------|
| Programa                      | Programable Thermostat Y Ceiling Fans |          |                               |                       |          |                         |                           |                           |                           |                         |                |                     |                         |                         |
| Cooling<br>Heating<br>Venting | [ ] Jan<br>[X] Jan<br>[ ] Jan         | X Feb    | [ ] Mar<br>[X] Mar<br>[X] Mar | Apr<br>Apr<br>[X] Apr |          | ] May<br>] May<br>] May | [X] Jun<br>  Jun<br>  Jun | [X] Jul<br>  Jul<br>  Jul | [X] Aug<br>  Aug<br>  Aug | [X] S<br>[ ] S<br>[ ] S | ep<br>ep<br>ep | Oct<br>Oct<br>X Oct | X Nov<br>X Nov<br>X Nov | X) Dec<br>X) Dec<br>Dec |
| Thermostat<br>Schedule T      |                                       | HERS 200 | 3 Reference                   | 2                     | 3        | 4                       | 5                         | Hou<br>6                  | urs<br>7                  | 8                       | 9              | 10                  | 11                      | 12                      |
| Cooling (W                    | D)                                    | AM<br>PM | 78<br>80                      | 78<br>80              | 78<br>78 | 78<br>78                | 78<br>78                  | 78<br>78                  | 78<br>78                  | 78<br>78                | 80<br>78       | 80<br>78            | 80<br>78                | 80<br>78                |
| Cooling (W                    | EH)                                   | AM<br>PM | 78<br>78                      | 78<br>78              | 78<br>78 | 78<br>78                | 78<br>78                  | 78<br>78                  | 78<br>78                  | 78<br>78                | 78<br>78       | 78<br>78            | 78<br>78                | 78<br>78                |
| Heating (W                    | D)                                    | AM<br>PM | 66<br>68                      | 66<br>68              | 66<br>68 | 66<br>68                | 66<br>68                  | 68<br>68                  | 68<br>68                  | 68<br>68                | 68<br>68       | 68<br>68            | 68<br>66                | 68<br>66                |
| Heating (W                    | EH)                                   | AM<br>PM | 66<br>68                      | 66<br>68              | 66<br>68 | 66<br>68                | 66<br>68                  | 68<br>68                  | 68<br>68                  | 68<br>68                | 68<br>68       | 68<br>68            | 68<br>66                | 68<br>66                |

Florida Code Compliance Checklist
Florida Department of Business and Professional Regulations Residential Whole Building Performance Method

ADDRESS: 463 LAKE HARRIS DRIVE

PERMIT #

LAKE CITY, FL,

### MANDATORY REQUIREMENTS SUMMARY - See individual code sections for full details.

| COMPONENT                 | SECTION | SUMMARY OF REQUIREMENT(S)   | CHECK |
|---------------------------|---------|---|-------|
| Air leakage               | 402.4   | To be caulked, gasketed, weatherstripped or otherwise sealed. Recessed lighting IC-rated as meeting ASTM E 283 Windows and doors = 0.30 cfm/sq.ft. Testing or visual inspection required. Fireplaces gasketed doors & outdoor combustion air. Must complete envelope leakage report or visually verify Table 402.4.2.   |       |
| Thermostat & controls     | 403.1   | At least one thermostat shall be provided for each separate heating and cooling system. Where forced-air furnace is primary system, programmable thermostat is required. Heat pumps with supplemental electric heat must prevent supplemental heat when compressor can meet the load.   |       |
| Ducts                     | 403.2 2 | All ducts, air handlers, filter boxes and building cavities which form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section 503 2.7.2 of this code   |       |
|                           | 403.3.3 | Building framing cavities shall not be used as supply ducts.  |       |
| Water heaters             | 403 4   | Heat trap required for vertical pipe risers. Comply with efficiencies in Table 403.4.3.2. Provide switch or clearly marked circuit breaker (electric) or shutoff (gas). Circulating system pipes insulated to = R-2 + accessible manual OFF switch.   |       |
| Mechanical<br>ventilation | 403.5   | Homes designed to operate at positive pressure or with mechanical ventilation systems shall not exceed the minimum ASHRAE 62 level. No make-up air from attics, crawlspaces, garages or outdoors adjacent to pools or spas.   |       |
| Swimming Pools<br>& Spas  | 403.9   | Pool pumps and pool pump motors with a total horsepower (HP) of = 1 HP shall have the capability of operating at two or more speeds Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy Off/timer switch required. Gas heaters minimum thermal efficiency=78% (82% after 4/16/13). Heat pump pool heaters minimum COP= 4.0. |       |
| Cooling/heating equipment | 403.6   | Sizing calculation performed & attached. Minimum efficiencies per Tables 503.2 3. Equipment efficiency verification required. Special occasion cooling or heating capacity requires separate system or variable capacity system. Electric heat >10kW must be divided into two or more stages.   |       |
| Ceilings/knee walls       | 405.2.1 | R-19 space permitting.  |       |

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

## ESTIMATED ENERGY PERFORMANCE INDEX\* = 74

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

### 463 LAKE HARRIS DRIVE, LAKE CITY, FL,

| 1. | New construction or exis                                     | ting                                    | New (From Plan   | s) 9                                   |   | Insulation           |                 | rea               |
|----|--|---|------------------|--|---|----------------------|-----------------|-------------------|
| 2. | Single family or multiple                                    | family                                  | Single-family    |  | a Frame - Wood, Exterior<br>b Frame - Wood, Adjacent                  | R=19 0<br>R=19 0     | 2326 140 i      | 70 ft²<br>00 ft²  |
| 3  | Number of units, if multip                                   | ole family                              | 1                |  | c. N/A  | R=                   | 170.            | ft²               |
| 4  | Number of Bedrooms   |   | 3                |  | d N/A   | R=                   |                 | ft²               |
| 5  | Is this a worst case?  |   | No               | 10                                     | O. Ceiling Types     a Roof Deck (Unvented)                           | Insulatior<br>R=19 8 | n Ai<br>2370.6  | rea<br>00 ft²     |
| 6  | Conditioned floor area (ft                                   | .2)                                     | 2370             |  | b N/A   | R=                   |                 | ft²               |
| 7  | =  | Description<br>Dbl, U=0 59<br>SHGC=0 23 | Area<br>363 33 f | <b>!</b> *                             | c N/A<br>1 Ducts<br>a Sup Attic, Ret: Main, AH Main                   | R=                   | R<br>6          | ft²<br>ft²<br>474 |
|    | b U-Factor SHGC c U-Factor SHGC                              | N/A<br>N/A                              |                  | t <sup>2</sup><br>12<br>1 <sup>2</sup> | 2 Cooling systems<br>a Central Unit                                   | kBtu/hr<br>48 0      | Efficie<br>SEER |                   |
|    | d U-Factor SHGC. Area Weighted Average Area Weighted Average | • .                                     | 4 972 -<br>0 230 |  | 3 Heating systems<br>a Electric Heat Pump                             | kBtu/hr<br>48 0      | Efficion HSPF   |                   |
| 8  | Floor Types<br>a Slab-On-Grade Edge I<br>b N/A<br>c. N/A     | nsulation R                             |                  |  | Hot water systems     a Electric     b Conservation features     None | Ca                   | ap 50 ga<br>EF  | allons<br>0 92    |
|    |  |   |                  | 15                                     | 5 Credits   |                      |                 | 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 <sup>-</sup> |
|---------------------|-------------------|
| Address of New Home | City/FL Zip:      |



\*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 EnergyGauge Rating. Contact the EnergyGauge Hotline at (321) 638-1492 or see the EnergyGauge web site at energygauge.com for information and a list of certified Raters. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

\*\*Label required by Section 303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.