

**FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION**

## Residential Total UA Alternative Method

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|-------|-------|------|-------|-------|-------|-----|---------|------|-------------------|--------------|---------|-------|-------|------|-------|-------|-------|-----|---------|------|-------------------|--------------|
| Project Name: Example_2026_Florida_Code_Jacksonville                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              | Builder Name: John Q. Hammer      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Street: Anyplace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              | Permit Office:                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| City, State, Zip: Jacksonville, FL 32099                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              | Permit Number:                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Owner: Energy Gauge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | Jurisdiction:                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Design Location: FL, Jacksonville                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              | County: Duval (FL Climate Zone 2) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| 1. New construction or existing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              | New (From Plans)                  | 4. Number of Bedrooms                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3    |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| 2. Single family or multiple family                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | Detached                          | 5. Conditioned floor area above grade (ft2)                                                                                                                                                                                                                                                                                                                                                                                                                                | 2000 |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| 3. Number of units, if multiple family                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                                   | 6. Conditioned floor area below grade (ft2)                                                                                                                                                                                                                                                                                                                                                                                                                                | 0    |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| <div style="display: flex; justify-content: space-around; margin-top: 20px;"><div style="border: 1px solid black; padding: 10px; width: 45%;"><p style="text-align: center;"><b>Proposed UA</b></p><table style="width: 100%;"><tr><td>Windows</td><td>120.0</td></tr><tr><td>Doors</td><td>16.0</td></tr><tr><td>Walls</td><td>102.8</td></tr><tr><td>Floor</td><td>0.0</td></tr><tr><td>Ceiling</td><td>48.3</td></tr><tr><td><b>Overall UA</b></td><td><b>287.1</b></td></tr></table></div><div style="border: 1px solid black; padding: 10px; width: 45%;"><p style="text-align: center;"><b>Baseline UA</b></p><table style="width: 100%;"><tr><td>Windows</td><td>120.0</td></tr><tr><td>Doors</td><td>16.0</td></tr><tr><td>Walls</td><td>102.3</td></tr><tr><td>Floor</td><td>0.0</td></tr><tr><td>Ceiling</td><td>60.0</td></tr><tr><td><b>Overall UA</b></td><td><b>298.3</b></td></tr></table></div></div> |              |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      | Windows | 120.0 | Doors | 16.0 | Walls | 102.8 | Floor | 0.0 | Ceiling | 48.3 | <b>Overall UA</b> | <b>287.1</b> | Windows | 120.0 | Doors | 16.0 | Walls | 102.3 | Floor | 0.0 | Ceiling | 60.0 | <b>Overall UA</b> | <b>298.3</b> |
| Windows                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 120.0        |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Doors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16.0         |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Walls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 102.8        |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Floor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.0          |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Ceiling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 48.3         |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| <b>Overall UA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>287.1</b> |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Windows                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 120.0        |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Doors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16.0         |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Walls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 102.3        |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Floor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.0          |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Ceiling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 60.0         |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| <b>Overall UA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>298.3</b> |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| <b>Compliance Criteria</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Overall UA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 287.14       | PASS                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Window-to-Floor Area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 15.0%        | NA                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| SHGC Area Weighted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.250(vert)  | PASS                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Air Handler Location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Not attic    | PASS                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Duct Insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8.000        | PASS                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Duct Leakage Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MUST         | TEST                              | Duct leakage total must be tested as substantially leak free                                                                                                                                                                                                                                                                                                                                                                                                               |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Wall Area (ft2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1217.4       | WARNING                           | Wall area appears small - please check                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Ceiling Area (ft2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2000.0       | PASS                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Floor Area (ft2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2000.0       | PASS                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Common Wall Mass R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | N/A          |                                   | There are no common mass walls in this building                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Common Wall Frame R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | N/A          |                                   | There are no common frame walls in this building                                                                                                                                                                                                                                                                                                                                                                                                                           |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Common Floor Low R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | N/A          |                                   | There are no common floors in this building                                                                                                                                                                                                                                                                                                                                                                                                                                |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Common Ceiling Low R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | N/A          |                                   | There are no common ceilings in this building                                                                                                                                                                                                                                                                                                                                                                                                                              |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Window Area (ft2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 300.0        |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| Door Area (ft2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 40.0         |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| R407 Additional Efficiency Credits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PASS         | COMPLIANT                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| User entry meets requirements of Total UA Calculation Method.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |
| <p>I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.</p> <p><b>PREPARED BY:</b> _____</p> <p><b>DATE:</b> _____</p> <p>I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.</p> <p><b>OWNER/AGENT:</b> _____</p> <p><b>DATE:</b> _____</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                                   | <p>Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code.</p> <p>Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.</p> <p><b>BUILDING OFFICIAL:</b> _____</p> <p><b>DATE:</b> _____</p> <div style="text-align: center; margin-top: 20px;"></div> |      |         |       |       |      |       |       |       |     |         |      |                   |              |         |       |       |      |       |       |       |     |         |      |                   |              |

## EQUIPMENT REQUIREMENTS AND INSTALLED VALUES

| SYSTEM TYPE                                                                                                                              | MINIMUM EFFICIENCY LEVEL REQUIRED <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | INSTALLED EFFICIENCY LEVEL                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Air distribution system <sup>1</sup> :<br><br>Air handling unit<br>Duct R-Value<br><br><br>Air leakage/Duct test<br><br><br>Duct testing | AHU not allowed in unconditioned attic<br><br>Factory Sealed<br>= R-8 (Ducts in unconditioned attics, Diameter > 3 in.)<br>= R-6 (Ducts in unconditioned not attics, Diameter > 3 in.)<br>= R-6 (Ducts in unconditioned attics, Diameter < 3 in.)<br>= R-4.2 (Ducts in unconditioned not attics, Diameter < 3 in.)<br>= R-4.2 (All ducts are in conditioned space (No minimum))<br><br>Air handler installed: Total leakage = 4 cfm/100 s.f.<br>Air handler not installed: Total leakage = 3 cfm/100 s.f.<br><br>Test not required if all ducts and AHU are within the building thermal envelope and for additions or alterations where ducts extended from existing heating and cooling systems through unconditioned space are < 40 linear ft. | Location: Garage<br><br>Factory Sealed? Yes<br>R-Value (In unc. attic) = 8.0<br>R-Value (In unc. non attic) = NA<br>R-Value (Small ducts in attic) = NA<br>R-Value (Small ducts in unc) = NA<br>All in conditioned space? No<br><br>System1: Total leakage = 0.040<br>Air handler installed? Yes<br>Test report required before CO? Yes |
| Air conditioning systems:<br>1. Central Unit                                                                                             | Minimum federal standard required by NAECA: <sup>2</sup><br>SEER2 = 14.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SEER2 = 15.20      Cap = 19.50                                                                                                                                                                                                                                                                                                          |
| Heating systems:<br>1. Elec. Heat Pump                                                                                                   | Minimum federal standard required by NAECA: <sup>2</sup><br>HSPF2 = 7.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | HSPF2 = 9.00      Cap = 33.00                                                                                                                                                                                                                                                                                                           |
| Water heating system (storage type):<br>Electric <sup>3,6</sup><br>Gas fired <sup>4,6</sup><br><br>Other (describe):                     | Minimum federal standard required by NAECA: <sup>2</sup><br>UEF 40 gal.: 0.931; 50 gal.: 0.930; 60 gal.: 2.176<br>UEF 40 gal.: 0.640; 50 gal.: 0.627; 60 gal.: 0.789                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Capacity = Tankless<br>UEF (min) = NA<br>UEF (min) = NA<br><br>Type = Gas Tankless      Effic. (min) = 0.860                                                                                                                                                                                                                            |

## Equipment Efficiency --PASS

(1) Ducts & AHU installed "substantially leak free" per Section R403.3.2. Test required by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i), Florida Statutes. The total leakage test is not required for ducts and air handlers located entirely within the building thermal envelope, and for additions where ducts from an existing heating and cooling system extended to the addition through unconditioned space are less than 40 linear ft.

(2) Minimum efficiencies are those set by the National Appliance Energy Conservation Act of 1987 for typical residential equipment and are subject to NAECA rules and regulations. For other types of equipment, see Tables C403.2.3 (1-11) of the Commercial Provisions of the Florida Building Code, Energy Conservation.

(3) For electric storage volumes <= 55 gallons, minimum UEF = 0.9349 – (0.0001 \* volume). For electric storage volumes > 55 gallons, minimum UEF = 2.2418 – (0.0011 \* volume).

(4) For natural gas storage volumes <= 55 gallons, minimum UEF = 0.692 – (0.0013 \* volume). For natural gas storage volumes > 55 gallons, minimum UEF = 0.8072 – (0.0003 \* volume).

(5) For electric tankless, min. UEF = 0.92. For natural gas tankless, min. UEF = 0.81.

(6) Referenced UEFs shown are for medium draw pattern value provided by manufacturer.

(continued)

| PRESCRIPTIVE REQUIREMENTS                                                                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                                                                                                                                                                        |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Component                                                                                                                                                                                                                                                                                                                                                 | Section              | Summary of Requirement(s)                                                                                                                                                                                                                                                                                                                              | Check |
| Air leakage                                                                                                                                                                                                                                                                                                                                               | R402.4               | To be caulked, gasketed, weatherstripped or otherwise sealed per Table R402.4.1.1. Recessed lighting IC-rated as having $\leq 2.0$ cfm tested to ASTM E 283. Windows and doors: 0.3 cfm/sq.ft. (swinging doors: 0.5 cfm/sf) when tested to NFRC 400 or AAMA/WDMA/CSA 101/I.S. 2/A440. Fireplaces: Tight-fitting flue dampers & outdoor combustion air. |       |
| Programmable thermostat                                                                                                                                                                                                                                                                                                                                   | R403.1.2             | A programmable thermostat is required for the primary heating or cooling system.                                                                                                                                                                                                                                                                       |       |
| Air distribution system                                                                                                                                                                                                                                                                                                                                   | R403.3.2<br>R403.3.4 | Ducts shall be tested as per Section R403.3.2 by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i), Florida Statutes. Air handling units are not allowed in attics.                                                                              |       |
| Water heaters                                                                                                                                                                                                                                                                                                                                             | R403.5               | Comply with efficiencies in Table C404.2. Hot water pipes insulated to $\geq R-3$ to kitchen outlets, other cases. Circulating systems to have an automatic or accessible manual OFF switch. Heat trap required for vertical pipe risers.                                                                                                              |       |
| Cooling/heating equipment                                                                                                                                                                                                                                                                                                                                 | R403.7               | Sizing calculation performed & attached. Special occasion cooling or heating capacity requires separate system or variable capacity system.                                                                                                                                                                                                            |       |
| Swimming pools & spas                                                                                                                                                                                                                                                                                                                                     | R403.10              | 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 is 82%. Heat pump pool heaters minimum COP is 4.0                                                               |       |
| Lighting equipment                                                                                                                                                                                                                                                                                                                                        | R404.1               | All lamps in permanently installed luminaires shall have an efficiency of at least 45 lumens-per-watt or shall utilize lamps with an efficiency of not less than 65 lumens-per-watt.                                                                                                                                                                   |       |
| <p>I hereby certify that the plans and specifications covered by this form are in compliance with the Florida Building Code, Energy Conservation.</p> <p>PREPARED BY: _____ Date: _____</p> <p>I hereby certify that this building is in compliance with the <i>Florida Building Code, Energy Conservation</i>.</p> <p>OWNER/AGENT: _____ Date: _____</p> |                      | <p>Review of plans and specifications covered by this form indicate compliance with the Florida Building Code, Energy Conservation. Before construction is complete, this building will be inspected for compliance in accordance with Section 553.908, F.S.</p> <p>CODE OFFICIAL: _____</p> <p>Date: _____</p>                                        |       |

## R407 Additional Energy Efficiency Credits

### Selected R407 compliance measures:

- ☐ R407.2.1.1(1) - Total UA at least 10% below reference (1 credit)
- ☐ R407.2.1.1(2) - Total UA at least 20% below reference (2/4 credits)
- ☐ R407.2.1.2 - Improved fenestration U/SHGC per Table R407.2.1.2 (1 credit)
- ☐ R407.2.1.3 - Roof 3-year-aged SRI  $\geq 50$  on  $\geq 90\%$  area (5 credits)
- ☐ R407.2.2(1) -  $\geq 15.2$  SEER2 + electric resistance (5 credits, CZ1 only)
- ☐ R407.2.2(2) - Fuel gas furnace  $\geq 90\%$  AFUE + air conditioner  $\geq 15.2$  SEER2 (5 credits)
- ☒ R407.2.2(3) - Air-source heat pump  $\geq 15.2$  SEER2,  $\geq 7.8$  HSPF2 (6/4 credits)
- ☐ R407.2.2(4) - Air-source heat pump  $\geq 16.5$  SEER2,  $\geq 8.2$  HSPF2 (9 credits)
- ☒ R407.2.3(1/2) - Gas instant UEF  $\geq 0.86$  or HPWH UEF  $\geq 3.0$  (6 credits)
- ☐ R407.2.3(3) - HPWH exhausted to conditioned space, UEF  $\geq 3.0$  (9 credits)
- ☐ R407.2.3(4)(a) - Solar hot water Option 1, SUEF  $\geq 3.00$  (13 credits)
- ☐ R407.2.3(4)(b) - Solar hot water Option 2, SUEF  $\geq 1.80$  (10/9 credits)
- ☐ R407.2.3.1 - Compact hot water distribution  $\leq 16$  oz (2 credits)
- ☐ R407.2.4(1) - Ductless or hydronic in conditioned envelope (3/4 credits)
- ☐ R407.2.4(2) - Equipment inside;  $\geq 80\%$  of ductwork inside conditioned space (2/3 credits)
- ☐ R407.2.5 - On-site 1.00 W/ft<sup>2</sup> or off-site 1.33 W/ft<sup>2</sup> (17/16 credits)
- ☒ R407.2.6 - Demand responsive thermostat (1 credit)
- ☒ R407.2.7 - Whole-home lighting control (1 credit)

## R407 Additional Energy Efficiency Credits - Continued

### 2026 Input Verification

Deck Insulation Type [TEMPROOF]: Roof 1: Air-Permeable

Sizing Option; Staging Type [TEMPCOOL]: Cooling 1: Sizing Option: A; Staging Type: Single

Recirc Pipe Insulation R [TEMPH2O]: Water System 1: N/A

Tested Flow Rate (CFM); Test Method [TEMPMECHVENT]: N/A

Smart Thermostat; Demand Response Capable [TEMPTEMP]: Smart Thermostat: No; Demand Response Capable: Yes

Integrated Energy Factor (IEF) [TempDehumidifier]: N/A

Total Credits: 12

Measures Selected: 4

Required Credits: 10

HVACWeightedBasis: AUTO

WaterWeightedBasis: AUTO

HVAC basis disclosure: Automatically evaluated from current project equipment

Water basis disclosure: Automatically evaluated from current project equipment

Selected outcomes: CreditHVAC3, CreditWaterHeat1, CreditDemandResp, CreditLighting

**R407 Status: COMPLIANT**