

**FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION**

## Florida Department of Business and Professional Regulation - Residential Performance Method

|                                                                                                                                |                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Project Name: New Millennium - Guard House<br>Street:<br>City, State, Zip: , FL,<br>Owner:<br>Design Location: FL, Gainesville | Builder Name:<br>Permit Office:<br>Permit Number:<br>Jurisdiction:<br>County: columbia(Florida Climate Zone 2) |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|

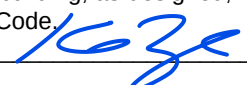
  

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| <table style="width:100%;"> <tr> <td>1. New construction or existing</td> <td>New (From Plans)</td> </tr> <tr> <td>2. Single family or multiple family</td> <td>Detached</td> </tr> <tr> <td>3. Number of units, if multiple family</td> <td>1</td> </tr> <tr> <td>4. Number of Bedrooms</td> <td>0</td> </tr> <tr> <td>5. Is this a worst case?</td> <td>No</td> </tr> <tr> <td>6. Conditioned floor area above grade (ft<sup>2</sup>)</td> <td>310</td> </tr> <tr> <td>Conditioned floor area below grade (ft<sup>2</sup>)</td> <td>0</td> </tr> <tr> <td>7. Windows(75.3 sqft.)</td> <td>Description Area</td> </tr> <tr> <td>a. U-Factor:</td> <td>Dbl, U=0.26 75.25 ft<sup>2</sup></td> </tr> <tr> <td>SHGC:</td> <td>SHGC=0.20</td> </tr> <tr> <td>b. U-Factor:</td> <td>N/A ft<sup>2</sup></td> </tr> <tr> <td>SHGC:</td> <td></td> </tr> <tr> <td>c. U-Factor:</td> <td>N/A ft<sup>2</sup></td> </tr> <tr> <td>SHGC:</td> <td></td> </tr> <tr> <td colspan="2">Area Weighted Average Overhang Depth: 1.500 ft</td> </tr> <tr> <td colspan="2">Area Weighted Average SHGC: 0.200</td> </tr> <tr> <td>8. Skylights</td> <td>Description Area</td> </tr> <tr> <td>U-Factor:(AVG)</td> <td>N/A N/A ft<sup>2</sup></td> </tr> <tr> <td>SHGC(AVG):</td> <td>N/A</td> </tr> <tr> <td>9. Floor Types</td> <td>Insulation Area</td> </tr> <tr> <td>a. Slab-On-Grade Edge Insulation</td> <td>R= 0.0 310.00 ft<sup>2</sup></td> </tr> <tr> <td>b. N/A</td> <td>R= ft<sup>2</sup></td> </tr> <tr> <td>c. N/A</td> <td>R= ft<sup>2</sup></td> </tr> </table> | 1. New construction or existing   | New (From Plans) | 2. Single family or multiple family | Detached | 3. Number of units, if multiple family | 1 | 4. Number of Bedrooms | 0 | 5. Is this a worst case? | No | 6. Conditioned floor area above grade (ft <sup>2</sup> ) | 310 | Conditioned floor area below grade (ft <sup>2</sup> ) | 0 | 7. Windows(75.3 sqft.) | Description Area | a. U-Factor: | Dbl, U=0.26 75.25 ft <sup>2</sup> | SHGC: | SHGC=0.20 | b. U-Factor: | N/A ft <sup>2</sup> | SHGC: |  | c. U-Factor: | N/A ft <sup>2</sup> | SHGC: |  | Area Weighted Average Overhang Depth: 1.500 ft |  | Area Weighted Average SHGC: 0.200 |  | 8. Skylights | Description Area | U-Factor:(AVG) | N/A N/A ft <sup>2</sup> | SHGC(AVG): | N/A | 9. Floor Types | Insulation Area | a. Slab-On-Grade Edge Insulation | R= 0.0 310.00 ft <sup>2</sup> | b. N/A | R= ft <sup>2</sup> | c. N/A | R= ft <sup>2</sup> | <table style="width:100%;"> <tr> <td>10. Wall Types(648.0 sqft.)</td> <td>Insulation Area</td> </tr> <tr> <td>a. Frame - Wood, Exterior</td> <td>R=13.0 522.00 ft<sup>2</sup></td> </tr> <tr> <td>b. Frame - Wood, Adjacent</td> <td>R=13.0 126.00 ft<sup>2</sup></td> </tr> <tr> <td>c. N/A</td> <td></td> </tr> <tr> <td>d. N/A</td> <td></td> </tr> <tr> <td>11. Ceiling Types(310.0 sqft.)</td> <td>Insulation Area</td> </tr> <tr> <td>a. Flat ceiling under att (Vented)</td> <td>R=30.0 310.00 ft<sup>2</sup></td> </tr> <tr> <td>b. N/A</td> <td></td> </tr> <tr> <td>c. N/A</td> <td></td> </tr> <tr> <td>12. Roof(Comp. Shingles, Vented)</td> <td>Deck R=0.0 320 ft<sup>2</sup></td> </tr> <tr> <td>13. Ducts, location &amp; insulation level</td> <td>R ft<sup>2</sup></td> </tr> <tr> <td>a.</td> <td></td> </tr> <tr> <td>b.</td> <td></td> </tr> <tr> <td>c.</td> <td></td> </tr> <tr> <td>14. Cooling Systems</td> <td>kBtu/hr Efficiency</td> </tr> <tr> <td>a. Central Unit</td> <td>12.0 SEER2:21.00</td> </tr> <tr> <td>15. Heating Systems</td> <td>kBtu/hr Efficiency</td> </tr> <tr> <td>a. Electric Heat Pump</td> <td>12.0 HSPF2:12.00</td> </tr> <tr> <td>16. Hot Water Systems</td> <td></td> </tr> <tr> <td>a.</td> <td></td> </tr> <tr> <td>b. Conservation features</td> <td></td> </tr> <tr> <td>17. Credits</td> <td>CF, Pstat</td> </tr> </table> | 10. Wall Types(648.0 sqft.) | Insulation Area | a. Frame - Wood, Exterior | R=13.0 522.00 ft <sup>2</sup> | b. Frame - Wood, Adjacent | R=13.0 126.00 ft <sup>2</sup> | c. N/A |  | d. N/A |  | 11. Ceiling Types(310.0 sqft.) | Insulation Area | a. Flat ceiling under att (Vented) | R=30.0 310.00 ft <sup>2</sup> | b. N/A |  | c. N/A |  | 12. Roof(Comp. Shingles, Vented) | Deck R=0.0 320 ft <sup>2</sup> | 13. Ducts, location & insulation level | R ft <sup>2</sup> | a. |  | b. |  | c. |  | 14. Cooling Systems | kBtu/hr Efficiency | a. Central Unit | 12.0 SEER2:21.00 | 15. Heating Systems | kBtu/hr Efficiency | a. Electric Heat Pump | 12.0 HSPF2:12.00 | 16. Hot Water Systems |  | a. |  | b. Conservation features |  | 17. Credits | CF, Pstat |
| 1. New construction or existing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | New (From Plans)                  |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 2. Single family or multiple family                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Detached                          |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 3. Number of units, if multiple family                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                                 |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 4. Number of Bedrooms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0                                 |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 5. Is this a worst case?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | No                                |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 6. Conditioned floor area above grade (ft <sup>2</sup> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 310                               |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| Conditioned floor area below grade (ft <sup>2</sup> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0                                 |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 7. Windows(75.3 sqft.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Description Area                  |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| a. U-Factor:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Dbl, U=0.26 75.25 ft <sup>2</sup> |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| SHGC:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SHGC=0.20                         |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| b. U-Factor:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | N/A ft <sup>2</sup>               |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| SHGC:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| c. U-Factor:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | N/A ft <sup>2</sup>               |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| SHGC:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| Area Weighted Average Overhang Depth: 1.500 ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| Area Weighted Average SHGC: 0.200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 8. Skylights                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Description Area                  |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| U-Factor:(AVG)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N/A N/A ft <sup>2</sup>           |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| SHGC(AVG):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | N/A                               |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 9. Floor Types                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Insulation Area                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| a. Slab-On-Grade Edge Insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | R= 0.0 310.00 ft <sup>2</sup>     |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| b. N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R= ft <sup>2</sup>                |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| c. N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R= ft <sup>2</sup>                |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 10. Wall Types(648.0 sqft.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Insulation Area                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| a. Frame - Wood, Exterior                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | R=13.0 522.00 ft <sup>2</sup>     |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| b. Frame - Wood, Adjacent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | R=13.0 126.00 ft <sup>2</sup>     |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| c. N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| d. N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 11. Ceiling Types(310.0 sqft.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Insulation Area                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| a. Flat ceiling under att (Vented)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | R=30.0 310.00 ft <sup>2</sup>     |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| b. N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| c. N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 12. Roof(Comp. Shingles, Vented)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Deck R=0.0 320 ft <sup>2</sup>    |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 13. Ducts, location & insulation level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R ft <sup>2</sup>                 |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| b.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| c.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 14. Cooling Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | kBtu/hr Efficiency                |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| a. Central Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 12.0 SEER2:21.00                  |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 15. Heating Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | kBtu/hr Efficiency                |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| a. Electric Heat Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12.0 HSPF2:12.00                  |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 16. Hot Water Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| b. Conservation features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |
| 17. Credits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CF, Pstat                         |                  |                                     |          |                                        |   |                       |   |                          |    |                                                          |     |                                                       |   |                        |                  |              |                                   |       |           |              |                     |       |  |              |                     |       |  |                                                |  |                                   |  |              |                  |                |                         |            |     |                |                 |                                  |                               |        |                    |        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |                 |                           |                               |                           |                               |        |  |        |  |                                |                 |                                    |                               |        |  |        |  |                                  |                                |                                        |                   |    |  |    |  |    |  |                     |                    |                 |                  |                     |                    |                       |                  |                       |  |    |  |                          |  |             |           |

|                         |                                      |             |
|-------------------------|--------------------------------------|-------------|
| Glass/Floor Area: 0.243 | Total Proposed Modified Loads: 10.25 | <b>PASS</b> |
|                         | Total Baseline Loads: 17.57          |             |

NOTE: Proposed residence must have annual total normalized Modified Loads that are less than or equal to 95 percent of the annual total loads of the standard reference design in order to comply.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.<br><br>PREPARED BY: <br>DATE: 8-7-24<br><br>I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.<br>OWNER/AGENT: <br>DATE: 8-7-2024 | 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.<br><br><br><br>BUILDING OFFICIAL: _____<br>DATE: _____ |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Homes without ducts do not require duct testing.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 5.24 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:New Millennium - Guard House

Building Type:User

Owner:

Builder Home ID:

Builder Name:

Permit Office:

Jurisdiction:

Family Type:Detached

New/Existing:New (From Plans)

Year Construct:2024

Comment:

Bedrooms:0

Conditioned Area:310

Total Stories:1

Worst Case:No

Rotate Angle:0

Cross Ventilation:

Whole House Fan:

Terrain:Suburban

Shielding:Suburban

Address type:Street Address

Lot #:---

Block/SubDivision:---

PlatBook:---

Street:

County:columbia

City, State, Zip: , FL,

CLIMATE

✓Design Location

Tmy Site

Design Temp97.5%2.5%

Int Design TempWinterSummer

Heating Degree Days

Design Moisture

Daily temp Range

\_\_\_FL, Gainesville

FL\_GAINESVILLE\_REGIONA

3292

7075

1305.5

51

Medium

BLOCKS

✓Number

Name

Area

Volume

\_\_\_1

Block1

310

2790 cu ft

SPACES

✓Number

Name

Area

Volume

Kitchen

Occupants

Bedrooms

Finished

Cooled

Heated

\_\_\_1

office

310

2790

Yes

1

Yes

Yes

Yes

FLOORS

(Total Exposed Area = 310 sq.ft.)

✓#

Floor Type

Space

Exposed Perim(ft)

Area

R-Value Perim.

U-Factor Joist

Slab Insul. Vert/Horiz

Tile

Wood

Carpet

\_\_\_1

Slab-On-Grade Edge Ins

office

72

310 sqft

0

---

0.710

0 (ft)/0 (ft)

1.00

0.00

0.00

ROOF

✓#

Type

Materials

Roof Area

Gable Area

Roof Color

Rad Barr

Solar Absor.

SA Tested

Emitt

Emitt Tested

Deck Insul.

Pitch (deg)

\_\_\_1

Hip

Composition shingles

320 ft²

0 ft²

Medium

N

0.96

No

0.9

No

0

14.04

ATTIC

✓#

Type

Ventilation

Vent Ratio (1 in)

Area

RBS

IRCC

\_\_\_1

Full attic

Vented

300

310 ft²

N

N

CEILING

(Total Exposed Area = 310 sq.ft.)

✓#

Ceiling Type

Space

R-Value

Ins. Type

Area

U-Factor

Framing Frac.

Truss Type

\_\_\_1

Flat ceiling under attic(Vented)

office

30.0

Blown

310.0ft²

0.030

0.11

Wood

## INPUT SUMMARY CHECKLIST REPORT

| WALLS |      |             |              |        |                |          |    |           |    |             |          |                |            |              |             |  |  | (Total Exposed Area = 648 sq.ft.) |  |  |  |
|-------|------|-------------|--------------|--------|----------------|----------|----|-----------|----|-------------|----------|----------------|------------|--------------|-------------|--|--|-----------------------------------|--|--|--|
| ✓ #   | Ornt | Adjacent To | Wall Type    | Space  | Cavity R-Value | Width Ft | In | Height Ft | In | Area sq.ft. | U-Factor | Sheath R-Value | Frm. Frac. | Solar Absor. | Below Grade |  |  |                                   |  |  |  |
| ___ 1 | N    | Exterior    | Frame - Wood | office | 13.0           | 14.0     | 0  | 9.0       | 0  | 126.0       | 0.084    |                | 0.23       | 0.75         | 0 %         |  |  |                                   |  |  |  |
| ___ 2 | E    | Exterior    | Frame - Wood | office | 13.0           | 22.0     | 0  | 9.0       | 0  | 198.0       | 0.084    |                | 0.23       | 0.75         | 0 %         |  |  |                                   |  |  |  |
| ___ 3 | S    | Garage      | Frame - Wood | office | 13.0           | 14.0     | 0  | 9.0       | 0  | 126.0       | 0.084    |                | 0.23       | 0.75         | 0 %         |  |  |                                   |  |  |  |
| ___ 4 | W    | Exterior    | Frame - Wood | office | 13.0           | 22.0     | 0  | 9.0       | 0  | 198.0       | 0.084    |                | 0.23       | 0.75         | 0 %         |  |  |                                   |  |  |  |

| DOORS |      |             |           |        |        |         |          |    |           |    |         |  |  | (Total Exposed Area = 40 sq.ft.) |  |  |  |
|-------|------|-------------|-----------|--------|--------|---------|----------|----|-----------|----|---------|--|--|----------------------------------|--|--|--|
| ✓ #   | Ornt | Adjacent To | Door Type | Space  | Storms | U-Value | Width Ft | In | Height Ft | In | Area    |  |  |                                  |  |  |  |
| ___ 1 | E    | Exterior    | Insulated | office | None   | 0.46    | 3.00     | 0  | 6.00      | 8  | 20.0ft² |  |  |                                  |  |  |  |
| ___ 2 | S    | Garage      | Insulated | office | None   | 0.46    | 3.00     | 0  | 6.00      | 8  | 20.0ft² |  |  |                                  |  |  |  |

| WINDOWS |      |         |       |              |               |      |      |       |                  |            |            |             |                         |           |                |        |      | (Total Exposed Area = 75 sq.ft.) |  |  |  |
|---------|------|---------|-------|--------------|---------------|------|------|-------|------------------|------------|------------|-------------|-------------------------|-----------|----------------|--------|------|----------------------------------|--|--|--|
| ✓ #     | Ornt | Wall ID | Frame | Panes        | NFRC U-Factor | SHGC | Imp  | Storm | Total Area (ft²) | Same Units | Width (ft) | Height (ft) | --Overhang-- Depth (ft) | Sep. (ft) | Interior Shade | Screen |      |                                  |  |  |  |
| ___ 1   | N    | 1       | Vinyl | Low-E Double | Y             | 0.26 | 0.20 | N     | N                | 33.3       | 1          | 9.50        | 3.50                    | 1.5       | 1.3            | None   | None |                                  |  |  |  |
| ___ 2   | E    | 2       | Vinyl | Low-E Double | Y             | 0.26 | 0.20 | N     | N                | 21.0       | 1          | 6.00        | 3.50                    | 1.5       | 1.3            | None   | None |                                  |  |  |  |
| ___ 3   | W    | 4       | Vinyl | Low-E Double | Y             | 0.26 | 0.20 | N     | N                | 21.0       | 1          | 6.00        | 3.50                    | 1.5       | 1.3            | None   | None |                                  |  |  |  |

| INFILTRATION |            |                  |         |       |       |       |        |       |          |                          |  |
|--------------|------------|------------------|---------|-------|-------|-------|--------|-------|----------|--------------------------|--|
| ✓ #          | Scope      | Method           | SLA     | CFM50 | ELA   | EqLA  | ACH    | ACH50 | Space(s) | Infiltration Test Volume |  |
| ___ 1        | Wholehouse | Proposed ACH(50) | 0.00030 | 244   | 13.37 | 25.10 | 0.1076 | 5.2   | All      | 2790 cu ft               |  |

| GARAGE |            |           |                        |                  |                         |  |
|--------|------------|-----------|------------------------|------------------|-------------------------|--|
| ✓ #    | Floor Area | Roof Area | Exposed Wall Perimeter | Avg. Wall Height | Exposed Wall Insulation |  |
| ___ 1  | 112 ft²    | 112 ft²   | 30 ft                  | 8 ft             | 1                       |  |

| MASS  |                       |       |           |                    |        |  |
|-------|-----------------------|-------|-----------|--------------------|--------|--|
| ✓ #   | Mass Type             | Area  | Thickness | Furniture Fraction | Space  |  |
| ___ 1 | Default(8 lbs/sq.ft.) | 0 ft² | 0 ft      | 0.30               | office |  |

| HEATING SYSTEM |                    |                            |        |              |                  |                      |                |      |            |               |
|----------------|--------------------|----------------------------|--------|--------------|------------------|----------------------|----------------|------|------------|---------------|
| ✓ #            | System Type        | Subtype/Speed              | AHRI # | Efficiency   | Capacity kBtu/hr | ----Geothermal Entry | HeatPump Power | ---- | Ducts Volt | Block Current |
| ___ 1          | Electric Heat Pump | Small Duct High Velocity/S |        | HSPF2: 12.00 | 12.0             |                      | 0.00           | 0.00 | 0.00       | sys#0 1       |

| COOLING SYSTEM |             |               |        |            |                  |              |     |      |       |
|----------------|-------------|---------------|--------|------------|------------------|--------------|-----|------|-------|
| ✓ #            | System Type | Subtype/Speed | AHRI # | Efficiency | Capacity kBtu/hr | Air Flow cfm | SHR | Duct | Block |
|                |             |               |        |            |                  |              |     |      |       |

INPUT SUMMARY CHECKLIST REPORT

COOLING SYSTEM(Continued)

1 Central Unit Sm. Duct Hi Velo/Single SEER2:21.0 12.0 360 0.75 Ductless 1

HOT WATER SYSTEM

| ✓ # | System Type          | Subtype             | Location    | EF(UEF)       | Cap        | Use  | SetPnt               | Fixture Flow | Pipe Ins. | Pipe length   |
|-----|----------------------|---------------------|-------------|---------------|------------|------|----------------------|--------------|-----------|---------------|
|     |                      |                     |             |               |            |      |                      |              |           |               |
|     | Recirculation System | Recirc Control Type | Loop length | Branch length | Pump power | DWHR | Facilities Connected | Equal Flow   | DWHR Eff  | Other Credits |

DUCTS

| Duct # | Supply Location | R-Value | Area | Return Location | R-Value | Area | Leakage Type | Air Handler | CFM 25 TOT | CFM 25 OUT | QN OUT | RLF | HVAC # Heat | Coil |
|--------|-----------------|---------|------|-----------------|---------|------|--------------|-------------|------------|------------|--------|-----|-------------|------|
|--------|-----------------|---------|------|-----------------|---------|------|--------------|-------------|------------|------------|--------|-----|-------------|------|

TEMPERATURES

|                           |                                         |                                         |                                         |                                         |                              |                                         |                                         |                                         |                                         |                                         |                                         |                                         |
|---------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| Programable Thermostat: Y |                                         |                                         |                                         |                                         | Ceiling Fans: N              |                                         |                                         |                                         |                                         |                                         |                                         |                                         |
| Cooling                   | <input type="checkbox"/> Jan            | <input type="checkbox"/> Feb            | <input type="checkbox"/> Mar            | <input type="checkbox"/> Apr            | <input type="checkbox"/> May | <input checked="" type="checkbox"/> Jun | <input checked="" type="checkbox"/> Jul | <input checked="" type="checkbox"/> Aug | <input checked="" type="checkbox"/> Sep | <input type="checkbox"/> Oct            | <input type="checkbox"/> Nov            | <input type="checkbox"/> Dec            |
| Heating                   | <input checked="" type="checkbox"/> Jan | <input checked="" type="checkbox"/> Feb | <input checked="" type="checkbox"/> Mar | <input type="checkbox"/> Apr            | <input type="checkbox"/> May | <input type="checkbox"/> Jun            | <input type="checkbox"/> Jul            | <input type="checkbox"/> Aug            | <input type="checkbox"/> Sep            | <input type="checkbox"/> Oct            | <input checked="" type="checkbox"/> Nov | <input checked="" type="checkbox"/> Dec |
| Venting                   | <input type="checkbox"/> Jan            | <input type="checkbox"/> Feb            | <input checked="" type="checkbox"/> Mar | <input checked="" type="checkbox"/> Apr | <input type="checkbox"/> May | <input type="checkbox"/> Jun            | <input type="checkbox"/> Jul            | <input type="checkbox"/> Aug            | <input type="checkbox"/> Sep            | <input checked="" type="checkbox"/> Oct | <input checked="" type="checkbox"/> Nov | <input type="checkbox"/> Dec            |

| Thermostat Schedule: HERS 2006 Reference | Schedule Type | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |
|------------------------------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cooling (WD)                             | AM PM         | 78 80 | 78 80 | 78 80 | 78 80 | 78 78 | 78 78 | 78 78 | 78 78 | 80 78 | 80 78 | 80 78 | 80 78 |
| Cooling (WEH)                            | AM PM         | 78 80 | 78 80 | 78 80 | 78 80 | 78 78 | 78 78 | 78 78 | 78 78 | 80 78 | 80 78 | 80 78 | 80 78 |
| Heating (WD)                             | AM PM         | 65 68 | 65 68 | 65 68 | 65 68 | 65 68 | 65 68 | 65 68 | 68 68 | 68 68 | 68 68 | 68 68 | 68 68 |
| Heating (WEH)                            | AM PM         | 65 68 | 65 68 | 65 68 | 65 68 | 65 68 | 65 68 | 65 68 | 68 68 | 68 68 | 68 68 | 68 68 | 68 68 |

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

## ESTIMATED ENERGY PERFORMANCE INDEX\* = 58

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

„FL,

|                                                          |                  |                                        |            |                        |
|----------------------------------------------------------|------------------|----------------------------------------|------------|------------------------|
| 1. New construction or existing                          | New (From Plans) | 10. Wall Types(648.0 sqft.)            | Insulation | Area                   |
| 2. Single family or multiple family                      | Detached         | a. Frame - Wood, Exterior              | R=13.0     | 522.00 ft <sup>2</sup> |
| 3. Number of units, if multiple family                   | 1                | b. Frame - Wood, Adjacent              | R=13.0     | 126.00 ft <sup>2</sup> |
| 4. Number of Bedrooms                                    | 0                | c. N/A                                 |            |                        |
| 5. Is this a worst case?                                 | No               | d. N/A                                 |            |                        |
| 6. Conditioned floor area above grade (ft <sup>2</sup> ) | 310              | 11. Ceiling Types(310.0 sqft.)         | Insulation | Area                   |
| Conditioned floor area below grade (ft <sup>2</sup> )    | 0                | a. Flat ceiling under att (Vented)     | R=30.0     | 310.00 ft <sup>2</sup> |
| 7. Windows**                                             | Description      | b. N/A                                 |            |                        |
| a. U-Factor:                                             | Dbl, U=0.26      | c. N/A                                 |            |                        |
| SHGC:                                                    | SHGC=0.20        | 12. Roof(Comp. Shingles, Vented) Deck  | R=0.0      | 320 ft <sup>2</sup>    |
| b. U-Factor:                                             | N/A              | 13. Ducts, location & insulation level | R          | ft <sup>2</sup>        |
| SHGC:                                                    |                  | a.                                     |            |                        |
| c. U-Factor:                                             | N/A              | b.                                     |            |                        |
| SHGC:                                                    |                  | c.                                     |            |                        |
| Area Weighted Average Overhang Depth:                    | 1.500 ft         | 14. Cooling Systems                    | kBtu/hr    | Efficiency             |
| Area Weighted Average SHGC:                              | 0.200            | a. Central Unit                        | 12.0       | SEER2:21.00            |
| 8. Skylights                                             | Description      | 15. Heating Systems                    | kBtu/hr    | Efficiency             |
| U-Factor:(AVG)                                           | N/A              | a. Electric Heat Pump                  | 12.0       | HSPF2:12.00            |
| SHGC(AVG):                                               | N/A              |                                        |            |                        |
| 9. Floor Types                                           | Insulation       | 16. Hot Water Systems                  |            |                        |
| a. Slab-On-Grade Edge Insulation                         | R= 0.0           | a.                                     |            |                        |
| b. N/A                                                   | R=               |                                        |            |                        |
| c. N/A                                                   | R=               | b. Conservation features               |            |                        |
|                                                          |                  | 17. Credits                            |            | CF, Pstat              |

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: 1022 Date: 8-7-2024

Address of New Home: \_\_\_\_\_ City/FL Zip: „FL,



\*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida Energy Rating. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

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