

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

## ESTIMATED ENERGY PERFORMANCE INDEX\* = 100

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

Plantations lot 26-plan 2169,Lake City,FL,32024

|                                                          |                  |                                        |            |                         |
|----------------------------------------------------------|------------------|----------------------------------------|------------|-------------------------|
| 1. New construction or existing                          | New (From Plans) | 10. Wall Types(1728.0 sqft.)           | Insulation | Area                    |
| 2. Single family or multiple family                      | Detached         | a. Face Brick - Wood, Exterior         | R=13.0     | 1728.00 ft <sup>2</sup> |
| 3. Number of units, if multiple family                   | 1                | b. N/A                                 | R=         | ft <sup>2</sup>         |
| 4. Number of Bedrooms                                    | 4                | c. N/A                                 | R=         | ft <sup>2</sup>         |
| 5. Is this a worst case?                                 | No               | d. N/A                                 | R=         | ft <sup>2</sup>         |
| 6. Conditioned floor area above grade (ft <sup>2</sup> ) | 2166             | 11. Ceiling Types(2166.0 sqft.)        | Insulation | Area                    |
| Conditioned floor area below grade (ft <sup>2</sup> )    | 0                | a. Flat ceiling under att (Vented)     | R=30.0     | 2166.00 ft <sup>2</sup> |
| 7. Windows**                                             | Description      | b. N/A                                 | R=         | ft <sup>2</sup>         |
| a. U-Factor:                                             | Dbl, U=0.55      | c. N/A                                 | R=         | ft <sup>2</sup>         |
| SHGC:                                                    | SHGC=0.60        | 12. Ducts, location & insulation level | R          | ft <sup>2</sup>         |
| b. U-Factor:                                             | Dbl, default     | a. Sup: Attic, Ret: Attic, AH: Main    | 6          | 433                     |
| SHGC:                                                    | Clear, default   | b.                                     |            |                         |
| c. U-Factor:                                             | N/A              | c.                                     |            |                         |
| SHGC:                                                    |                  | 13. Cooling Systems                    | kBtu/hr    | Efficiency              |
| Area Weighted Average Overhang Depth:                    | 4.515 ft         | a. Central Unit                        | 35.0       | SEER:16.00              |
| Area Weighted Average SHGC:                              | 0.612            | 14. Heating Systems                    | kBtu/hr    | Efficiency              |
| 8. Skylights                                             | Description      | a. Electric Heat Pump                  | 34.6       | HSPF:8.50               |
| U-Factor:(AVG)                                           | N/A              |                                        |            |                         |
| SHGC(AVG):                                               | N/A              | 15. Hot Water Systems                  |            |                         |
| 9. Floor Types                                           | Insulation       | a. Electric                            |            | Cap: 50 gallons         |
| a. Slab-On-Grade Edge Insulation                         | R= 0.0           |                                        |            | EF: 0.950               |
| b. N/A                                                   | R=               | b. Conservation features               |            |                         |
| c. N/A                                                   | R=               |                                        |            | None                    |
|                                                          |                  | 16. Credits                            |            | Pstat                   |

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

Builder Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Address of New Home: Plantations lot 26-plan 2169

City/FL Zip: Lake City,FL,32024



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

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



## INPUT SUMMARY CHECKLIST REPORT

| PROJECT                                    |                                  |                     |                   |                  |                    |                              |              |            |        |                    |                 |                 |  |
|--------------------------------------------|----------------------------------|---------------------|-------------------|------------------|--------------------|------------------------------|--------------|------------|--------|--------------------|-----------------|-----------------|--|
| Title:                                     | Plantations lot 26 - plan 2169   |                     |                   |                  | Address type:      | Street Address               |              |            |        |                    |                 |                 |  |
| Building Type:                             | User                             | Bedrooms:           | 4                 |                  | Lot #:             | ---                          |              |            |        |                    |                 |                 |  |
| Owner:                                     | Adams Homes                      | ConditionedArea:    | 2166              |                  | Block/SubDivision: | ---                          |              |            |        |                    |                 |                 |  |
| BuilderName:                               | Adams Homes                      | Total Stories:      | 1                 |                  | PlatBook:          | ---                          |              |            |        |                    |                 |                 |  |
| Permit Office:                             |                                  | Worst Case:         | No                |                  | Street:            | Plantations lot 26-plan 2169 |              |            |        |                    |                 |                 |  |
| Jurisdiction:                              | Columbia                         | RotateAngle:        | 0                 |                  | County:            | Columbia                     |              |            |        |                    |                 |                 |  |
| Family Type:                               | Detached                         | Cross Ventilation:  |                   |                  | City, State, Zip:  | Lake City, FL, 32024         |              |            |        |                    |                 |                 |  |
| New/Existing:                              | New (From Plans)                 | Whole House Fan:    |                   |                  |                    |                              |              |            |        |                    |                 |                 |  |
| Year Construct:                            | 2022                             | Terrain:            | Suburban          |                  |                    |                              |              |            |        |                    |                 |                 |  |
| Comment:                                   |                                  | Shielding:          | Suburban          |                  |                    |                              |              |            |        |                    |                 |                 |  |
| CLIMATE                                    |                                  |                     |                   |                  |                    |                              |              |            |        |                    |                 |                 |  |
| ✓ Design Location                          | Tmy Site                         | Design Temp         |                   | 97.5%            | 2.5%               | Int Design Temp              |              | Winter     | Summer | Heating DegreeDays | Design Moisture | Dailytemp Range |  |
| ___ FL, Gainesville                        | FL_GAINESVILLE_REGIONA           | 32                  | 92                | 70               | 75                 | 1305.5                       | 51           | Medium     |        |                    |                 |                 |  |
| BLOCKS                                     |                                  |                     |                   |                  |                    |                              |              |            |        |                    |                 |                 |  |
| ✓ Number                                   | Name                             | Area                | Volume            |                  |                    |                              |              |            |        |                    |                 |                 |  |
| ___ 1                                      | Block1                           | 2166                | 17328 cu ft       |                  |                    |                              |              |            |        |                    |                 |                 |  |
| SPACES                                     |                                  |                     |                   |                  |                    |                              |              |            |        |                    |                 |                 |  |
| ✓ Number                                   | Name                             | Area                | Volume            | Kitchen          | Occupants          | Bedrooms                     | Finished     | Cooled     | Heated |                    |                 |                 |  |
| ___ 1                                      | Main                             | 2166                | 17328             | Yes              | 1                  | 4                            | Yes          | Yes        | Yes    |                    |                 |                 |  |
| FLOORS (Total Exposed Area = 2166 sq.ft.)  |                                  |                     |                   |                  |                    |                              |              |            |        |                    |                 |                 |  |
| ✓ #                                        | Floor Type                       | Space               | ExposedPerim      | PerimeterR-Value | Area               | U-Factor                     | JoistR-Value | Tile       | Wood   | Carpet             |                 |                 |  |
| ___ 1                                      | Slab-On-Grade Edge Ins           | Main                | 225               | 0                | 2166 ft            | 0.591                        | ---          | 0.35       | 0.00   | 0.65               |                 |                 |  |
| ROOF                                       |                                  |                     |                   |                  |                    |                              |              |            |        |                    |                 |                 |  |
| ✓ #                                        | Type                             | Materials           | Roof Area         | Gable Area       | Roof Color         | Rad Barr                     | Solar Absor. | SA Tested  | Emitt  | Emitt Tested       | Deck Insul.     | Pitch (deg)     |  |
| ___ 1                                      | Gable or shed                    | Compositionshingles | 2347 ft²          | 452 ft²          | Medium             | N                            | 0.96         | No         | 0.9    | No                 | 0               | 22.62           |  |
| ATTIC                                      |                                  |                     |                   |                  |                    |                              |              |            |        |                    |                 |                 |  |
| ✓ #                                        | Type                             | Ventilation         | Vent Ratio (1 in) | Area             | RBS                | IRCC                         |              |            |        |                    |                 |                 |  |
| ___ 1                                      | Full attic                       | Vented              | 300               | 2166 ft²         | N                  | N                            |              |            |        |                    |                 |                 |  |
| CEILING (Total Exposed Area = 2166 sq.ft.) |                                  |                     |                   |                  |                    |                              |              |            |        |                    |                 |                 |  |
| ✓ #                                        | Ceiling Type                     | Space               | R-Value           | Ins. Type        | Area               | U-Factor                     | FramingFrac. | Truss Type |        |                    |                 |                 |  |
| ___ 1                                      | Flat ceiling under attic(Vented) | Main                | 30.0              | Blown            | 2166.0ft²          | 0.030                        | 0.11         | Wood       |        |                    |                 |                 |  |

# INPUT SUMMARY CHECKLIST REPORT

| WALLS |      |             |                   |       |                |          |    |           |    |             |          |                |            |              | (Total Exposed Area = 1728 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    | Face Brick - Wood | Main  | 13.0           | 26.0     | 4  | 8.0       | 0  | 210.7       | 0.086    |                | 0.23       | 0.75         | 0 %                                |  |  |  |  |
| ___ 2 | E    | Exterior    | Face Brick - Wood | Main  | 13.0           | 50.0     | 0  | 8.0       | 0  | 400.0       | 0.086    |                | 0.23       | 0.75         | 0 %                                |  |  |  |  |
| ___ 3 | S    | Exterior    | Face Brick - Wood | Main  | 13.0           | 27.0     | 4  | 8.0       | 0  | 218.7       | 0.086    |                | 0.23       | 0.75         | 0 %                                |  |  |  |  |
| ___ 4 | W    | Exterior    | Face Brick - Wood | Main  | 13.0           | 50.0     | 0  | 8.0       | 0  | 400.0       | 0.086    |                | 0.23       | 0.75         | 0 %                                |  |  |  |  |
| ___ 5 | N    | Exterior    | Face Brick - Wood | Main  | 13.0           | 20.0     | 0  | 8.0       | 0  | 160.0       | 0.086    |                | 0.23       | 0.75         | 0 %                                |  |  |  |  |
| ___ 6 | N    | Exterior    | Face Brick - Wood | Main  | 13.0           | 11.0     | 8  | 8.0       | 0  | 93.3        | 0.086    |                | 0.23       | 0.75         | 0 %                                |  |  |  |  |
| ___ 7 | S    | Exterior    | Face Brick - Wood | Main  | 13.0           | 11.0     | 8  | 8.0       | 0  | 93.3        | 0.086    |                | 0.23       | 0.75         | 0 %                                |  |  |  |  |
| ___ 8 | S    | Exterior    | Face Brick - Wood | Main  | 13.0           | 19.0     | 0  | 8.0       | 0  | 152.0       | 0.086    |                | 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 | N    | Exterior    | Insulated | Main  | None   | 0.46    | 3.00     | 0  | 6.00      | 8  | 20.0ft² |                                  |  |  |
| ___ 2 | S    | Exterior    | Insulated | Main  | None   | 0.46    | 3.00     | 0  | 6.00      | 8  | 20.0ft² |                                  |  |  |

  

| WINDOWS |      |         |       |             |               |      |      |       |                  |            |            |             |                         |           | (Total Exposed Area = 259 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) | InteriorShade                     | Screen        |      |
| ___ 1   | N    | 1       | Vinyl | Low-EDouble | N             | 0.55 | 0.70 | N     | N                | 30.0       | 1          | 6.00        | 5.00                    | 6.0       | 2.0                               | Drapes/blinds | None |
| ___ 2   | N    | 1       | Vinyl | Low-EDouble | Y             | 0.55 | 0.60 | N     | N                | 30.0       | 1          | 6.00        | 5.00                    | 7.3       | 4.0                               | Drapes/blinds | None |
| ___ 3   | S    | 7       | Vinyl | Low-EDouble | Y             | 0.55 | 0.60 | N     | N                | 30.0       | 1          | 6.00        | 5.00                    | 1.0       | 2.0                               | Drapes/blinds | None |
| ___ 4   | E    | 2       | Vinyl | Low-EDouble | Y             | 0.55 | 0.60 | N     | N                | 6.0        | 1          | 2.00        | 3.00                    | 1.0       | 2.0                               | Drapes/blinds | None |
| ___ 5   | N    | 6       | Vinyl | Low-EDouble | Y             | 0.55 | 0.60 | N     | N                | 15.0       | 1          | 3.00        | 5.00                    | 1.3       | 2.0                               | Drapes/blinds | None |
| ___ 6   | E    | 2       | Vinyl | Low-EDouble | Y             | 0.55 | 0.60 | N     | N                | 15.0       | 1          | 3.00        | 5.00                    | 1.0       | 2.0                               | Drapes/blinds | None |
| ___ 7   | E    | 2       | Vinyl | Low-EDouble | Y             | 0.55 | 0.60 | N     | N                | 15.0       | 1          | 3.00        | 5.00                    | 1.0       | 2.0                               | Drapes/blinds | None |
| ___ 8   | S    | 8       | Vinyl | Low-EDouble | Y             | 0.55 | 0.60 | N     | N                | 15.0       | 1          | 3.00        | 5.00                    | 1.0       | 2.0                               | Drapes/blinds | None |
| ___ 9   | S    | 8       | Vinyl | Low-EDouble | Y             | 0.55 | 0.60 | N     | N                | 15.0       | 1          | 3.00        | 5.00                    | 1.0       | 2.0                               | Drapes/blinds | None |
| ___ 10  | S    | 3       | Vinyl | Low-EDouble | Y             | 0.55 | 0.60 | N     | N                | 45.0       | 1          | 9.00        | 5.00                    | 7.7       | 0.0                               | Drapes/blinds | None |
| ___ 11  | S    | 3       | Vinyl | Low-EDouble | Y             | 0.55 | 0.60 | N     | N                | 30.0       | 1          | 6.00        | 5.00                    | 7.7       | 2.0                               | Drapes/blinds | None |
| ___ 12  | N    | 1       | Vinyl | Low-EDouble | Y             | 0.55 | 0.60 | Y     | N                | 6.7        | 1          | 1.00        | 6.67                    | 6.0       | 2.0                               | Drapes/blinds | None |
| ___ 13  | N    | 1       | Vinyl | Low-EDouble | Y             | 0.55 | 0.60 | N     | N                | 6.7        | 1          | 1.00        | 6.67                    | 6.0       | 2.0                               | Drapes/blinds | None |

  

| INFILTRATION |            |              |         |       |        |        |        |       |          |                          |
|--------------|------------|--------------|---------|-------|--------|--------|--------|-------|----------|--------------------------|
| ✓ #          | Scope      | Method       | SLA     | CFM50 | ELA    | EqLA   | ACH    | ACH50 | Space(s) | Infiltration Test Volume |
| ___ 1        | Wholehouse | Proposed ACH | 0.00050 | 2833  | 155.69 | 291.78 | 0.1925 | 9.8   | All      | 17328 cu ft              |

  

| GARAGE |            |           |                        |                  |                         |
|--------|------------|-----------|------------------------|------------------|-------------------------|
| ✓ #    | Floor Area | Roof Area | Exposed Wall Perimeter | Avg. Wall Height | Exposed Wall Insulation |
| ___ 1  | 400 ft²    | 400 ft²   | 64 ft                  | 8 ft             | 1                       |

  

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

# INPUT SUMMARY CHECKLIST REPORT

## HEATING SYSTEM

| ✓ #   | System Type        | Subtype/Speed | AHRI # | Efficiency | Capacity<br>kBtu/hr | ---GeothermalHeatPump---<br>Entry Power Volt Current |      |      |      | Ducts | Block |
|-------|--------------------|---------------|--------|------------|---------------------|------------------------------------------------------|------|------|------|-------|-------|
| ___ 1 | Electric Heat Pump | None/Single   |        | HSPF: 8.50 | 34.6                |                                                      | 0.00 | 0.00 | 0.00 | sys#1 | 1     |

## COOLING SYSTEM

| ✓ #   | System Type  | Subtype/Speed | AHRI # | Efficiency | Capacity<br>kBtu/hr | Air Flow<br>cfm | SHR  | Duct  | Block |
|-------|--------------|---------------|--------|------------|---------------------|-----------------|------|-------|-------|
| ___ 1 | Central Unit | None/Single   |        | SEER:16.0  | 22.1                | 660             | 0.75 | sys#1 | 1     |

## HOT WATER SYSTEM

| ✓ #   | System Type             | Subtype                | Location       | EF(UEF)          | Cap           | Use    | SetPnt                  | FixtureFlow   | Pipe Ins.   | Pipe length   |
|-------|-------------------------|------------------------|----------------|------------------|---------------|--------|-------------------------|---------------|-------------|---------------|
| ___ 1 | Electric                | None                   | Garage         | 0.95 (0.93)      | 50.00 gal     | 70 gal | 120 deg                 | Standard      | None        | 99            |
|       | Recirculation<br>System | Recirc Control<br>Type | Loop<br>length | Branch<br>length | Pump<br>power | DWHR   | Facilities<br>Connected | Equal<br>Flow | DWHR<br>Eff | Other Credits |
| ___ 1 | No                      |                        | NA             | NA               | NA            | No     | NA                      | NA            | NA          | None          |

## DUCTS

| ✓ Duct # | Location | -----Supply-----<br>R-Value Area | -----Return-----<br>R-Value Area | LeakageType       | Air<br>Handler | CFM 25<br>TOT | CFM 25<br>OUT | QN   | RLF  | HVAC #<br>Heat Cool |   |
|----------|----------|----------------------------------|----------------------------------|-------------------|----------------|---------------|---------------|------|------|---------------------|---|
| ___ 1    | Attic    | 6.0 433 ft²                      | Attic 6.0 108 ft²                | Prop. Air Leakage | Main           | ---           | ---           | 0.03 | 0.50 | 1                   | 1 |

## TEMPERATURES

Programable Thermostat: Y

Ceiling Fans: N

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

| ✓ Thermostat Schedule: HERS 2006 Reference | Schedule Type | 1        | 2        | 3        | 4        | 5        | 6        | Hours<br>7 | 8        | 9        | 10       | 11       | 12       |
|--------------------------------------------|---------------|----------|----------|----------|----------|----------|----------|------------|----------|----------|----------|----------|----------|
| ___ Cooling (WD)                           | AM<br>PM      | 78<br>80 | 78<br>80 | 78<br>78 | 78<br>78 | 78<br>78 | 78<br>78 | 78<br>78   | 78<br>78 | 80<br>78 | 80<br>78 | 80<br>78 | 80<br>78 |
| ___ Cooling (WEH)                          | AM<br>PM      | 78<br>78 | 78<br>78 | 78<br>78 | 78<br>78 | 78<br>78 | 78<br>78 | 78<br>78   | 78<br>78 | 78<br>78 | 78<br>78 | 78<br>78 | 78<br>78 |
| ___ Heating (WD)                           | AM<br>PM      | 66<br>68 | 66<br>68 | 66<br>68 | 66<br>68 | 66<br>68 | 68<br>68 | 68<br>68   | 68<br>68 | 68<br>68 | 68<br>68 | 68<br>66 | 68<br>66 |
| ___ Heating (WEH)                          | AM<br>PM      | 66<br>68 | 66<br>68 | 66<br>68 | 66<br>68 | 66<br>68 | 68<br>68 | 68<br>68   | 68<br>68 | 68<br>68 | 68<br>68 | 68<br>66 | 68<br>66 |