

**HVAC RESIDENTIAL INFORMATION FORM - BUILDING ENVELOPE DATA REQUIRED FOR NEW, EXISTING / RENOVATIONS OR ADDITIONS**

Energy Code Consulting's HVAC Design Packages Include All 5 Code Required Calculations (Manual J Room by Room Heat Load Calculations, Manual S Equipment Selection, Manual D Duct Pressure Calculations, Manual T Air Device Selection and Florida Energy Code Forms). All reports and Color CAD HVAC Drawings are Provided to Ensure You Have an Efficient, Compliant and Comfortable Design That Matches Your Home.

Contact Person: \_\_\_\_\_ Email: \_\_\_\_\_

Company Name: \_\_\_\_\_ Phone: \_\_\_\_\_ Date: \_\_\_\_\_

**PROVIDE REQUIRED PROJECT INFORMATION AND DRAWINGS LISTED BELOW**

Builder Name: \_\_\_\_\_ Project Name: \_\_\_\_\_

Project Address: \_\_\_\_\_ Project City, Zip Code: \_\_\_\_\_

Project County: \_\_\_\_\_ Permit Office Name or Jurisdiction #: \_\_\_\_\_

**MINIMUM DRAWING REQUIREMENTS:**

Site Plan or North Arrow, Scaled Floor Plan, Building Elevations, Detailed Wall Section.  
Conditioned / Living Area Square Feet Per Level, Garage Area Square Feet and Room Names Must be Listed on the Floor Plans.  
Provide Floor and Framing Plans on Multi-Level Homes, along with Detailed Truss Types and Sizes .  
Each Building Envelope Component's Insulation R-Value and Glass NFRC Ratings (Floor, Wall, Door, Glass and Roof).  
Provide Glass Envelope Component Locations in Addition to the SHGC and U-Values.  
Electrical Floor Plan Preferred.  
Provide Existing Duct Layout if Re-using Existing Duct Systems; Show Supply, Return, Ventilation / Exhaust items, Etc.  
  
For Items Not Shown on the Architectural Permit Ready Drawings or Not Provided Below, Those Items Will be Equal to the Energy Code Baseline Values and Listed on HVAC Drawing 1, "Total Building Summary Loads," Which is Only One of the Items Included in Your Efficiency, Compliant and Comfort HVAC Design Package.

**PROVIDE NEEDED INFORMATION BELOW TO MEET FLORIDA REQUIREMENTS, BUT ALSO TO FINE TUNE YOUR CUSTOM HVAC DESIGN**

Home's Front Door Faces Which Direction:  N  NE  E  SE  S  SW  W  NW Existing Home Year Constructed: \_\_\_\_\_

Floor(s): Slab on Grade?  Yes  No Raised Floor(s) Thermal Layer R-Value = \_\_\_\_\_

Interior Floor Covering Percentage: Tile = \_\_\_\_\_ % Wood/Vinyl = \_\_\_\_\_ % Carpet = \_\_\_\_\_ %

Roof Color:  Light  Medium  Dark  Galvanized  Galvalum

Roof Type:  Hot Vented Attic  Cool Sealed Attic  Flat Built up  Single Assembly Sloped  Other: \_\_\_\_\_

Roof Cover:  Barrel Tile  Flat Tile/Slate  Shingle  Metal  Concrete  Gravel  Membrane  Other: \_\_\_\_\_

Roof / Ceiling Thermal Layer: R-Value = \_\_\_\_ Credits =  Radiant Barrier  Interior Radiation Control Coating

Roof Configuration:  Full Hip  Gable  Shed  Flat  Other: \_\_\_\_\_ Roof Pitch = \_\_\_\_ /12

Block Exterior Wall: Thermal Layer(s) R-Value = \_\_\_\_ Insulation Location =  Exterior  Interior  Integral

Frame Exterior Wall(s): Thermal Layer R-Value = \_\_\_\_ Garage Wall R-Value = \_\_\_\_ Partition Wall R-Value = \_\_\_\_

Exterior Wall Color:  Light  Medium  Dark or Solar Absorptance Fraction = \_\_\_\_\_

Exterior Door Type:  Solid Wood  Metal Insulation  Fiberglass Core (For Glass Doors, See Window Selection)

Existing Glass: A) Frame: Metal Wood Vinyl B) Panes: Single Double Triple C) Coating: Clear Tinted Low-E

New Operable Windows U-Value = \_\_\_\_ Solar Heat Gain Coefficient = \_\_\_\_ Frame:  Metal  Clad  Wood  Vinyl

New Fixed Windows U-Value = \_\_\_\_ Solar Heat Gain Coefficient = \_\_\_\_ Frame:  Metal  Clad  Wood  Vinyl

New Sliding Glass Door(s) U-Value = \_\_\_\_ Solar Heat Gain Coefficient = \_\_\_\_ Frame:  Metal  Clad  Wood  Vinyl

New French Glass Door(s) U-Value = \_\_\_\_ Solar Heat Gain Coefficient = \_\_\_\_ Frame:  Metal  Clad  Wood  Vinyl

Storage Water Heater: Gallons = \_\_\_\_\_ Type =  Electric  N Gas  P Gas EFF= \_\_\_\_ Location:  Garage  Attic  Interior

Instant Water Heater: Type =  Electric  N Gas  P Gas  EFF = \_\_\_\_ Location:  Garage  Attic  Interior  Exterior

HVAC System(s): Condenser Location =  Exterior (**Show** Exact Locations of Equipment on Drawing)

HVAC System(s): Air Handler Location =  Garage  Attic  Interior  Exterior (**Show** Location(s) on Drawing)

NOTES:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**2018 Update: In cases where the Energy Code Baseline Values do not pass code, ECC will select components to achieve a passing score**

NEATLY FILL IN DATA • CHANGES MADE AFTER SUBMISSION WILL REQUIRE A NEW PROJECT SUBMISSION FORM AND DESIGN PACKAGE REQUEST

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