

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

Energy Code Consulting's HVAC Design Packages Include All Code Required Calculations (Manual J Room-by-Room Heat Loads, Manual D Full Scale Duct Drawings, Manual T Air Device Selection, Manual Zr Zoning, Manual S Equipment 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 Permit Ready Drawings or Not Provided Below, Those Items Will be Equal to the Energy Code Baseline Recommendations 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:

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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