BPI ID# 5064984

ecalcservices@yahoo.com

About the Building Information Form

The information required in this form is used to meet Florida requirements and fully customize the HVAC design for your project.

Our Building Information Form is designed to provide the required data for building permitting in the state of Florida. The information you provide will be combined with the architect's permit-ready drawings to make up the 3d energy model that exactly matches your project.

The building envelope component materials, building geometry, and site plan with address make up the minimum required items to create the HVAC intelligent CAD energy model, perform the calculations, and provide the complete design package including the detailed code compliant HVAC drawings. If some of the building envelope component materials are not known, or not selected prior to permit acquisition, Energy Calc Services will perform the calculations and create the HVAC design based on Florida Energy Code Standard Reference Model Baseline Components.

All rooms served by the HVAC system(s) require a room-by-room heat load calculation to determine capacity and demand associated with new, existing, added or renovated rooms. This heat load calculation will also determine room-by-room air balance for the building. Adding rooms to an existing unit means removing the current amount of air delivered, to correctly design an HVAC system. A full energy study of the entire building is required to ensure comfort and equipment sizing.

HVAC Design Packages Include:

Florida Energy Calculations (Residential, Commercial, and Public Buildings)
Manual J 8th Edition / ACCA 183 Heat Load Calculations (Residential and Light Commercial)
Manual S HVAC Equipment Selection Procedure
Manual D Duct Pressure Loss Calculations
Manual T Room Air Device Selection Procedure
Manual ZR Residential Duct Zoning Design
HVAC Intelligent Color CAD Drawings PDF format

Please Note:

In cases where the Energy Code Baseline Values do not pass code, we will select components to achieve a passing score. Check your form for accuracy. Changes made after submission will require a new project submission form

Minimum Architectural Drawing Requirements

For items not shown on the architectural permit ready drawings or not provided,

Be sure to include the following:

- Site plan or north arrow, scaled floor plan, building elevations, detailed wall section.
- List conditioned / living area square feet per level, garage area square feet and room names 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.

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www.energycalcservices.com

Building Information Form Building Envelope Data Required For New, Existing / Renovations Or Additions

Changes made after submission will require a new project submission form.

Date:	Project Name:
Contact Person:	Project Address:
Company Name:	
Builder Name:	Project County:
Phone:	
Email:	
○ Residential Existing ○Residential Existing ○ Residential Existing	mercial New Construction Commercial Remodel/Addition dential New Construction Residential Remodel/Addition n: ON ONE OE OSE OS OSW OW ONW
	Raised Floor(s) Thermal Layer R-Value= % Wood/Vinyl:% Carpet:%
Roof Cover: OBarrel Tile OFlat Tile/Slate O	d Attic OFlat Build Up OSingle Assembly Sloped Other: Shingle OMetal OConcrete OGravel OMembrane OOther: Credits: ORadiant Barrier OInterior Radiation Control Coating
Frame Exterior Wall(s)Thermal Layer R-Va Partition Wall R-Value=	-Value= Insulation Location: ○Exterior ○Interior ○Integral alue= Garage Wall R-Value= rk or Solar Absorptance Fraction=
Doors Exterior Door Type (For Glass Doors, See	Window Selection): OSolid Wood OMetal Insulation OFiberglass Core
New Operable Windows U-Value= New Fixed Windows U-Value= New Sliding Glass Door(s) U-Value=	Vinyl B) Panes: Single Double Triple C) Coating: Clear Tinted Low-E Solar Heat Gain Coefficient= Frame: Metal Clad Vinyl Solar Heat Gain Coefficient= Frame: Metal Clad Vinyl Solar Heat Gain Coefficient= Frame: Metal Clad Vinyl Solar Heat Gain Coefficient= Frame: Metal Clad Vinyl
Instant Water Heater:	Gas P. Gas EFF= Location: Garage Attic Interior Exterior = Location: Garage Attic Interior Exterior
HVAC - Show Exact Locations of Equipme HVAC System(s): Condenser Location HVAC System(s): Air Handler Location	= Exterior