

RESIDENTIAL HVAC INFORMATION FORM - BUILDING ENVELOPE DATA REQ. BY FECC R103.2 - 12/31/2017

YOUR CONTACT PERSON: PHONE: E MAIL:

YOUR COMPANY NAME: DATE:

HVAC DESIGN PACKAGE INCLUDES ALL 5 CODE REQUIRED CALCULATIONS AND HVAC DRAWINGS (FEC 403.7,403.7.5,403.7.1.1, FMC 603.2)

MANUAL J ROOM BY ROOM HEAT LOAD CALCULATIONS, MANUAL S EQUIPMENT SELECTION, MANUAL D DUCT PRESSURE CALCULATIONS, MANUAL T AIR DEVICE SELECTION, MANUAL ZR THERMAL ZONING, HVAC COLOR CAD DRAWING, AND FLORIDA ENERGY CODE FORMS.

PROVIDE REQUIRED PROJECT INFORMATION AND DRAWINGS LISTED - LIST DATA + SEE CHECK LIST OF REQUIRED DRAWINGS

BUILDER NAME: PROJECT NAME:

PROJECT ADDRESS: PROJECT CITY:

PROJECT COUNTY: PERMIT OFFICE NAME or JURISDICTION #:

MINIMUM DRAWINGS REQ.: SITE PLAN or NORTH ARROW, SCALED FLOOR PLAN, BUILDING ELEVATIONS, DETAILED WALL SECTION SHOWING EACH BUILDING ENVELOPE COMPONENT (FLOOR+WALL+DOOR+GLASS+ROOF) + INSULATION R-VALUE + GLASS NFRC RATINGS CONDITIONED AREA SQUARE FEET PER LEVEL + GARAGE AREA SQUARE FEET + ROOM NAMES MUST BE LISTED ON THE FLOOR PLAN
**PROVIDE FLOOR FRAMING PLANS ON MULTI-LEVEL HOMES SHOWING DETAILED TRUSS TYPES AND SIZES
**PROVIDE EXISTING DUCT LAYOUT IF RE-USING EXISTING DUCT SYSTEMS, SHOW SUPPLY, RETURN, EXHAUST, EQUIPMENT MODELS.
FEC 402 BASELINE GLASS ENVELOPE COMPONENTS TO HAVE NFRC RATINGS OF .4 U VALUE / .25 SHGC (BASIS OF DESIGN WHEN GLASS IS NOT SELECTED)
FOR ITEMS NOT SHOWN ON THE ARCHITECTURAL "PERMIT READY" DRAWINGS, THE HVAC DESIGN WILL BE BASED ON COMPONENTS AS LISTED ON HVAC DRAWING 1, "TOTAL BUILDING SUMMARY LOADS" - SEE ENERGY FORMS FOR MINIMUM REQUIREMENTS, MEET OR EXCEED EPL CARD.

PROVIDE SPECIFIC DATA TO FINE TUNE THE HVAC DESIGN - LIST DATA / CIRCLE ITEMS - LIST ASTM THERMAL "R" LAYER ONLY (R303.1.1.1)

- (C) HOME'S FRONT DOOR FACES WHICH DIRECTION: N NE E SE S SW W NW EXIST HOME YEAR CONST: _____
- (C) EXISTING GLASS: (A) FRAME - METAL WOOD VINYL (B) PANES - SINGLE DOUBLE TRIPLE (C) COATING - CLEAR TINTED LOW E
- (C) NEW OPERABLE WINDOWS U VALUE = _____ SOLAR HEAT GAIN COEFFICIENT = _____ FRAME - METAL CLAD WOOD VINYL
- (C) NEW FIXED WINDOWS U VALUE = _____ SOLAR HEAT GAIN COEFFICIENT = _____ FRAME - METAL CLAD WOOD VINYL
- (C) NEW SLIDING GLASS DOOR U VALUE = _____ SOLAR HEAT GAIN COEFFICIENT = _____ FRAME - METAL CLAD WOOD VINYL
- (C) NEW GLASS SWING DOOR U VALUE = _____ SOLAR HEAT GAIN COEFFICIENT = _____ FRAME - METAL CLAD WOOD VINYL
- (C) FLOOR(S): SLAB ON GRADE? YES NO --> RAISED FLOOR THERMAL LAYER "R" VALUE = _____
INTERIOR FLOOR COVERING PERCENTAGE: TILE= _____% WOOD/VINYL= _____% CARPET= _____% (BASELINE IS .4,.4,.2 IF UNKNOWN)
- (C) BLOCK EXTERIOR WALL: THERMAL LAYER(S) "R" VALUE = _____ INSULATION LOCATION = EXTERIOR INTERIOR INTEGRAL
- (C) FRAME EXTERIOR WALL : THERMAL LAYER "R" VALUE = _____ PARTITION WALL "R" VALUE = _____ EXTERIOR GARAGE WALL "R" VALUE = _____
EXTERIOR WALL COLOR = LIGHT MEDIUM DARK or SOLAR ABSORPTANCE FRACTION IF KNOWN = _____
- ROOF CLADDING: COLOR = LIGHT MEDIUM DARK or TESTED SOLAR ABSORPTANCE FRACTION IF KNOWN = _____
- (C) ROOF / CEILING: TYPE = HOT VENTED ATTIC COOL SEALED ATTIC SINGLE ASSEMBLY OTHER: _____
- (C) ROOF: COVER = BARREL TILE FLAT TILE/SLATE SHINGLE METAL CONCRETE GRAVEL MEMBRANE OTHER: _____
- (C) ROOF / CEILING: THERMAL LAYER R VALUE = _____ CREDITS = RADIANT BARRIER INTERIOR RADIATION CONTROL COATING
- (C) ROOF: CONFIGURATION = HIP GABLE SHED FLAT SINGLE ASSEMBLY ROOF PITCH = ____ /12
- (C) EXTERIOR DOOR TYPE = SOLID WOOD METAL INSULATED FIBERGLASS CORE OTHER: _____ (FOR GLASS DOORS - SEE WINDOW SECTION)
- (C) TANK WATER HEATER: GALLONS = _____ TYPE = ELECTRIC N GAS P GAS EFF = _____ LOCATION = GARAGE ATTIC INTERIOR EXTERIOR
- (C) TANKLESS WATER HEATER: TYPE = ELECTRIC N GAS P GAS EFF = _____ LOCATION = GARAGE ATTIC INTERIOR EXTERIOR
- (C) HVAC SYSTEM(S): EXTERIOR CONDENSER LOCATION = ON GRADE ROOF RAISED PLATFORM BFE= _____ (SHOW EXACT LOCATIONS)
- (C) HVAC SYSTEM(S): AIR HANDLER LOCATION = GARAGE ATTIC INTERIOR EXTERIOR (SHOW EXACT LOCATIONS ON ARCH / ELECTRIC DRAWING)

NOTES:

DOWNLOAD OR PRINT THIS FORM, CIRCLE ITEMS OR NEATLY FILL IN DATA - COMPLETE A FORM FOR EACH PHASE OF CONSTRUCTION