

**COMMERCIAL HVAC INFORMATION FORM - BUILDING ENVELOPE DATA REQ. BY FECC 103.2 - 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 (FECC 403.2.1,403.2.2,403.2.9.5, FMC 603.2)**

ACCA 183 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 + DRAWINGS LISTED - LIST DATA + CHECK LIST OF REQUIRED DRAWINGS**

BUILDER NAME: \_\_\_\_\_ PROJECT NAME: \_\_\_\_\_

PROJECT ADDRESS: \_\_\_\_\_ PROJECT CITY: \_\_\_\_\_

PROJECT COUNTY: \_\_\_\_\_ PERMIT OFFICE NAME or JURISDICTION #: \_\_\_\_\_

CONSTRUCTION TYPE: **NEW FINISHED SHELL BUILD OUT EXISTING ADDITION RENOVATION OTHER:** \_\_\_\_\_

BUILDING CLASSIFICATION: **RETAIL OFFICE STORAGE OTHER:** \_\_\_\_\_

**MINIMUM DRAWINGS REQ:** SITE PLAN + NORTH ARROW + BASE FLOOD ELEV ,SCALED FLOOR PLAN, BUILDING ELEVATIONS, DETAILED WALL SECTION SHOWING EACH ENVELOPE COMPONENT (FLOOR+WALL+DOOR+GLASS+ROOF) + INSULATION LAYER R-VALUE + GLASS NFRC RATINGS

CONDITIONED AREA SQUARE FEET PER LEVEL + ROOM NAMES MUST BE LISTED ON THE FLOOR PLAN

PROVIDE FLOOR FRAMING PLANS ON MULTI-LEVEL BUILDINGS SHOWING DETAILED TRUSS TYPES AND SIZES

PROVIDE EXISTING DUCT LAYOUT IF RE-USING EXISTING DUCT SYSTEMS, SHOW SUPPLY, RETURN, EXHAUST, ETC.

EXISTING BUILDINGS --> ALL DATA ABOVE + AS BUILT HVAC DRAWINGS + EXISTING EQUIPMENT DATA IF RE-USED

DETAILED LIST EACH LIGHT FIXTURE, BULB WATTAGE, BULB TYPE, SWITCH TYPE(S) + CONTROL CIRCUIT(S)

NAME + REG/LICENSE # FOR AGENT, ARCHITECT, ELECTRICAL + LIGHTING DESIGNER, PLUMBING DESIGNER

BUILDING OWNER NAME \_\_\_\_\_ YEAR CONSTRUCTED : \_\_\_\_\_

OTHER FLOOR PLANS --> PLUMBING, ELECTRICAL LIGHTING + PANEL, FRAMING, SITE, HVAC, BUILDING SECTION

EXPECTED OCCUPANCY AND HOURS OF OPERATION, OCCUPANCY DURATION, OCCUPANCY ACTIVITY LEVEL

**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".**

**PROVIDE CRITICAL INFO TO FINE TUNE THE HVAC DESIGN - LIST DATA OR CIRCLE ITEMS USED -LIST ASTM THERMAL "R" LAYER ONLY**

- (C) MAIN ENTRY DOOR FACES WHICH DIRECTION: **N NE E SE S SW W NW** EXIST BLDG 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 WOOD VINYL
- (C) NEW FIXED WINDOWS U VALUE = \_\_\_\_\_ SOLAR HEAT GAIN COEFFICIENT = \_\_\_\_\_ FRAME - METAL WOOD VINYL
- (C) NEW SLIDING GLASS DOORS U VALUE = \_\_\_\_\_ SOLAR HEAT GAIN COEFFICIENT = \_\_\_\_\_ FRAME - METAL WOOD VINYL
- (C) NEW GLASS SWING DOORS U VALUE = \_\_\_\_\_ SOLAR HEAT GAIN COEFFICIENT = \_\_\_\_\_ FRAME - METAL WOOD VINYL
- (C) FLOOR(S): SLAB ON GRADE? **YES NO** --> RAISED FLOOR THERMAL LAYER R VALUE = \_\_\_\_\_
- (C) "TILT" CONCRETE WALL: THERMAL LAYER R VALUE = \_\_\_\_\_ INSULATION LOCATION= **EXTERIOR INTERIOR**
- (C) BLOCK EXTERIOR WALL: THERMAL LAYER R VALUE = \_\_\_\_\_ INSULATION LOCATION= **EXTERIOR INTERIOR INTEGRAL**
- (C) FRAME EXTERIOR WALL: THERMAL LAYER R VALUE = \_\_\_\_\_ FRAMING TYPE= **WOOD METAL** PARTITION WALL R VALUE= \_\_\_\_\_
- EXTERIOR WALL COLOR = **LIGHT MEDIUM DARK** or SOLAR ABSORPTANCE FRACTION IF KNOWN = \_\_\_\_\_
- ROOF : COLOR = **LIGHT MEDIUM DARK** or TESTED SOLAR ABSORPTANCE FRACTION IF KNOWN= \_\_\_\_\_
- (C) ROOF: TYPE = **HOT VENTED ATTIC COOL SEALED ATTIC SINGLE ASSEMBLY** OTHER: \_\_\_\_\_
- (C) ROOF: CLADDING = **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** OTHER: \_\_\_\_\_ ROOF PITCH = \_\_\_\_ /12
- (C) EXTERIOR DOOR TYPE = **SOLID WOOD METAL INSULATED FIBERGLASS CORE** (FOR GLASS DOORS - SEE WINDOW SECTION)
- (C) TANK WATER HEATER: **GALLONS** = \_\_\_\_\_ TYPE = **ELECTRIC GAS** EFF = . \_\_\_\_\_ LOCATION = **ATTIC INTERIOR EXTERIOR**
- (C) TANKLESS WATER HEATER: TYPE = **ELECTRIC GAS** EFF = . \_\_\_\_\_ LOCATION = **ATTIC INTERIOR EXTERIOR**
- (C) HVAC SYSTEM(S): EXTERIOR CONDENSER LOCATION = **ON GRADE ROOF RAISED PLATFORM** BFE= \_\_\_\_\_ (**SHOW EXACT LOCATIONS ON ARCH / ELECTRIC DRAWING**)
- (C) HVAC SYSTEM(S): AIR HANDLER LOCATION = **GARAGE / WAREHOUSE SEALED ATTIC INTERIOR EXTERIOR** (**SHOW EXACT LOCATIONS ON ARCH / ELECTRIC DRAWING**)

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

