

2025 ENERGY AND HVAC INFORMATION FORM / BUILDING ENVELOPE AND SYSTEM(s) DATA**INFO REQUIRED**

PROVIDE THIS FORM AND COPYRIGHT FREE PDF PERMIT READY ARCHITECTURAL DRAWINGS INCLUDING: SITE PLAN or NORTH ARROW, SCALED BUILDING FLOOR PLAN AND ROOM NAMES, ELEVATIONS, WALL SECTION, CONDITIONED LIVING AREA SQUARE FEET FOR EACH BUILDING LEVEL, GARAGE AREA SQUARE FEET, STRUCTURAL FLOOR FRAMING PLANS FOR MULTI-LEVEL BUILDINGS. SHOW OUTDOOR HVAC EQUIPMENT AND AIR HANDLER LOCATIONS ON DRAWINGS.

EXISTING BUILDING : PROVIDE YEAR OF CONSTRUCTION, DUCT SKETCH OF SYSTEM(s), SHOW SUPPLY, RETURN, EXHAUST, AND HVAC EQUIPMENT MODEL #'s. WHEN BUILDING DRAWINGS ARE NOT AVAILABLE, VISIT OUR WEBSITE FOR A SAMPLE SKETCH SHOWING DATA REQUIRED. USE **NOTES** SECTION AT FORM BOTTOM FOR ADDITIONAL INFORMATION.

HVAC DESIGN

OUR HVAC CAD DESIGN PROVIDED INCLUDES ACCA MANUALS AND ENERGY CODE CALCULATIONS BASED ON VALUES REQUIRED TO PASS THE ENERGY CODE. FECC BASELINE "RECOMMENDED" VALUES WILL BE USED WHEN FORM DATA IS NOT SELECTED OR DATA IS NOT SHOWN ON PERMIT DRAWINGS. DESIGN ASSUMPTIONS: BLOWER DOOR TEST SCORE OF 5.0 (ACH50) USED UNLESS NOTED BELOW; 55 GALLON MAXIMUM STORAGE WATER HEATER(S); MASTIC SEALED R8 DUCTS EXTERIOR / R6 DUCTS INTERIOR; SEMI-TIGHT BUILDING ENVELOPE CONSTRUCTION PRACTICE; MECHANICAL VENTILATION AIR; COLOR ABSORPTANCE FACTORS: WHITE .30, LIGHT .35, MEDIUM .45, DARK .65; VENTED ATTIC VENT RATE 1/300; AND PROGRAMMABLE THERMOSTAT. DURING CONSTRUCTION BUILDER MUST MEET OR EXCEED ENVELOPE COMPONENT VALUES AND EQUIPMENT EFFICIENCIES SHOWN ON THE ENERGY FORM(S).

CLIENT

COMPANY NAME:
CONTACT PERSON:
CONTACT PHONE:
CONTACT E MAIL:
BUILDER NAME:

PROJECT

NAME:
*ADDRESS:
CITY:
*COUNTY:
*PERMIT OFFICE:

SITE DIRECTION FRONT DOOR FACES: N NE E SE S SW W NW FLOOD ZONE BFE = FEET

WINDOWS AND DOORS

	ENVELOPE COMPONENT	FRAME MATERIAL			GLASS PANES		GLASS COATING			IMPACT		NFRC RATED	
		METAL	WOOD	VINYL	SINGLE	DOUBLE	CLEAR	TINT	LOW E	YES	NO	U VALUE	SHGC
1													
2													
3													
4													
5													
6													
7													
8													
9													
FECC BASELINE GLASS VALUES:		VINYL			DOUBLE		LOW E			NO		0.4	0.25

FLOORS

	ENVELOPE COMPONENT	% TILE	% WOOD	% CARPET	INSULATION "R"	FECC BASELINE VALUES
1						SLAB ON GRADE = NO INSUL. RAISED FLOORS = R-13 INSUL.
2						
3						

WALLS

	ENVELOPE COMPONENT	EXTERIOR COLOR			INSULATION LOCATION			INSUL.	FECC BASELINE VALUES
		LIGHT	MEDIUM	DARK	INTERIOR	EXTERIOR	CORE FILL	"R"	
1									FRAME = R-13 INSUL. BLOCK CONTINUOUS = R-6 CUSTOM EXTERIOR COLOR ABSORPTANCE FACTORS WALL: _____ ROOF: _____
2									
3									
4									
5									

ROOFS

ENVELOPE COMPONENT		SLOPE PITCH(S)	EXTERIOR COLOR				ROOF COVER MATERIAL						FECC BASELINE VALUES
			WHITE	LIGHT	MEDIUM	DARK	SHINGLE	METAL	BARREL TILE	FLAT TILE	MEMBRANE	OTHER	
1													ON ROOF DECK = R-38 SINGLE ASSEMBLY = R-38
2													
3													

CEILINGS

	ENVELOPE COMPONENT	TRUSS MATERIAL		INSULATION LOCATION		INSULATION TYPE			INSUL.	FECC BASELINE VALUES
		WOOD	METAL	AT CEILING	AT ROOF	BATT	BLOWN	FOAM	"R"	
1										CEILINGS = R-38 INSUL. ATTIC KNEE WALL = R-38 INSUL. ROOF DECK = R-38 INSUL. ATTIC BREAK WALL = R-38 INSUL.
2										
3										
4										

BUILDING SYSTEMS

WATER HEATER FUEL			WATER HEATER LOCATION				TANK TYPE		STORAGE TANK	EFFICIENCY	FECC BASELINE VALUES
ELECTRIC	NATURAL GAS	PROPANE	GARAGE	INTERIOR	ATTIC	EXTERIOR	TANKLESS	TANK	GALLONS (55 MAX)	EF or UEF	
											ELECTRIC / GAS = .92 EF
HVAC SYSTEM(S)			OUTSIDE EQUIP. LOCATION			AIR HANDLER LOCATION			FECC BASELINE VALUES		
			ON GRADE	RAISED > BFE	ROOF	GARAGE	INTERIOR	ATTIC	EXTERIOR	ENERGY CALC'S DETERMINE EFFICIENCIES REQUIRED ACCA CALC'S DETERMINE EQUIPMENT AND DUCT SIZING	
1											
2											
3											
4											

CREDIT

VENTED ATTIC	COOL ROOF	CEILING FAN	THERMOSTAT(S)	DUCT TEST	WATER HEATER	R-8 DUCTS	VERIFIED ENVELOPE TEST
RADIANT BARRIER	REFLECTANCE > 4%	BEDS + PRIM. LIVING	PROGRAMMABLE	4% MAX LEAK	HEAT PUMP	(REQ. 402 METHOD)	BLOWER DOOR ACH50 SCORE

NOTES

		PLACE ENERGY FORM SIGNATURE INSIDE BOX BELOW	
SAVE COMPLETED FORM, THEN MAIL TO:		NEIL@HVACDESIGNS.COM NEIL (813) 885 2258	