

Job Address _____ Permit # BD - _____

Contractor or Contact Name _____ Phone _____

Heating System Type: Electric ___ Gas ___ Other _____ Heated Floor Area: _____ Sq. Ft

Energy Star/Earth Advantage Home? Yes ___ No ___ (See handout for Energy Star minimum requirements)

BUILDING COMPONENTS ^A	PRESCRIPTIVE STANDARD	BUILDER VALUES
Underfloor insulation	R-30	
Slab-on-grade insulation	R-15	
Heated Slab, I.E., hydronic heat – underneath entire slab	R-10	
Windows & sliding glass doors	U-0.35	
Skylight (less than or equal to 2% heated space floor area) ^{B, C}	U-0.75	
Skylight (greater than 2% heated space floor area) ^C	U-0.60	
Exterior Door (less than or equal to 24 ft ²)	U-0.54	
Exterior Door (greater than 24 ft ²)	U-0.20	
Exterior Doors with greater than 2 ft ² glazing ^D	U-0.40	
Above grade wall insulation	R-21	
Below grade wall insulation	R-15	
Flat ceiling insulation	R-38	
Vaulted ceilings – limited to less than or equal to 50% heated space floor area	R-38 ^E	
Vaulted ceilings – greater than 50% heated space floor area	R38 ^F	
High efficiency lighting ^G	50% fixtures	
Forced air duct insulation	R-8	
Heat Pump HSPF	7.7	
Air conditioning SEER	13.0	
Additional Measure selected from table on back of this form	1,2,3,4,5,6,7,8 or 9	

^A The prescriptive measure requirements are typically an overall U-factor, but code specifies R-values for standard wood-framed assemblies.

^B Skylights with vinyl, wood, or thermally broken aluminum frames and low-emissivity coatings shall be deemed to satisfy U-0.75 requirement if total skylight area installed is 2% or less of total heated space floor area.

^C Pre 04/01/08 skylight U-factor was based on NFRC testing in the vertical plane. Effective 04/01/08 skylight U is tested in the 20 degree overhead plane per NFRC standards.

^D Hinged doors only – does not include sliding glass doors. Sliding glass doors are categorized with windows.

^E R-38 is representative of insulation installed in a standard wood framed scissor truss (U-0.042)

^F R-38 is representative of insulation installed in either a wood rafter or wood raised-heel scissor truss (U-0.031)

^G A minimum fifty percent of permanently installed lighting fixtures (interior and exterior) shall be fitted with compact or linear fluorescent lamps, or a lighting source that has a minimum efficacy of 40 lumens per input watt. Screw-in compact fluorescent lamps will comply with this requirement.

(over)

In addition to the new prescriptive standards specified on the previous table, builders are required to **choose one** of the following nine energy efficiency options. Note: The option selected may pre-empt (be more stringent than) and be installed in place of a required prescriptive standard on the previous page.

ADDITIONAL MEASURE PATH	DESCRIPTION
1 High efficiency HVAC	90% AFUE furnace or boiler, or 8.5 HSPF heat pump, or 3.0 COP ground-source heat pump
2 High efficiency ducts	Performance Tested Ductwork performed by a contractor certified by ODOE Residential Energy Tax Credit Program, or All ducts within the conditioned space and air handler must be sealed combustion-air unit with air supply ducted from outdoors and is located within the conditioned space.
3 High efficiency building envelope	R-24 exterior walls, R-30 advanced framing vaulted ceilings, R-49 flat ceilings, and U-0.32 windows and sliding glass doors.
4 Zonal electric heat, or ductless furnace/heat pump and one of the high efficiency measures described	75% of permanently-installed lighting fixtures are fitted with energy efficient lamps, or U-0.32 windows and sliding glass doors, or R-30 advanced framing vaulted ceilings and R-49 flat ceilings or R-24 exterior walls
5 High efficiency windows/ceiling/lighting	R-30 advanced framing vaulted ceilings, R-49 flat ceilings, U-0.32 windows and sliding glass doors, and 75% of permanently-installed lighting fixtures are fitted with energy efficient lamps.
6 High efficiency windows/ceiling/water heating	R-30 advanced framing vaulted ceilings, R-49 flat ceilings, U-0.32 windows and sliding glass doors, and natural gas/propane, on-demand water heating with minimum EF of 0.80.
7 High efficiency water heating/lighting	Natural gas/propane, on-demand water heating with minimum EF of 0.80 and 75% of permanently-installed lighting fixtures are fitted with energy efficient lamps.
8 Solar photovoltaic	Minimum 1 Watt/sq ft. conditioned floor space with documentation indicating that Total Solar Resource Fraction is not less than 75%.
9 Solar Water Heating	Panels shall be Solar Rating and Certification Corporation (SRCC) Standard OG-300 certified and labeled, with documentation indicating that Total Solar Resource Fraction is not less than 75%.