Residential Energy Code Work Sheet

(1 & 2 family dwellings and townhouses only)

Attach this work sheet, 2 floor plans w/ door & window schedules & elevations to permit application

Updated March 23, 2009

Address or Builder's Name & Master Plan Number:_____

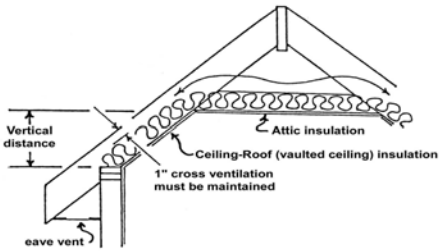
Contact for Energy Questions:_____

Phone: _____ Fax: _____ Email: _____

Select only one option for compliance **(✓)**:

☐ **Option #1, Chapter 6 of IECC (Max 15% Glazing)** ☐ **R6/SEER 14 Tradeoff**

INSULATION	**MIN R VALUE**
Ceiling – Attic	R-30
Ceiling – Roof[1, 5]	R-30
Walls[4]	R-13
Floors	R-11
GLAZING[3]	**MAX U FACTOR/SHGC**
U-factor	0.65
SHGC[2]	0.40
HVAC	**MIN EFFICIENCY**
Split System	13.0 SEER
Package Unit	9.7 SEER



☐ **Option #2, Chapter 11 of IRC (Note: Minimum duct insulation is R5 in attics, R8 outside the building)**

INSULATION	**MIN R VALUE**
Ceiling – Attic	R-38
Ceiling– Roof[1,6]	R-22
Walls[4]	R-13
Floors	R-19

GLAZING OPTIONS[3] (check one based on area of glazing)			
	☐ Max 15%	☐ Max 20%	☐ Max 25%
U-factor (max)	0.65	0.65	0.65
SHGC[2] (max)	0.40	0.40	0.40
HVAC SYSTEM EFFICIENCIES – MINIMUM			
Split System	13.0 SEER	14.0 SEER	15.0 SEER
Package Unit	9.7 SEER	12.0 SEER	14.0 SEER

☐ **Option #3, Approved Above Code Programs (such as Energy Star®) & IC3**

Attach supporting design documentation. An insulation inspection is required.

☐ **Option #4, Software Report (RES*check*™)** ☐ **10% above compliance, use R6**

Attach REScheck™ report to permit this worksheet. The design conditions must be reflected as follows: heating degree days = 2407, cooling degree days = 2603. The compliance report must show 10% or better compliance above code in order to use R6 in lieu of R8 duct insulation.

☐ **Option #5, Additions up to 500 square feet in floor area, alterations/remodels see Technical Bulletin for requirements**

Footnotes:

[1] Minimum 1" ventilation space required between insulation and decking w/o compressing insulation – larger framing members may be required.

[2] SHGC may be area weighted average. 1% of all glazing is exempt from SHGC requirements.

[3] Rough opening of all windows, skylights and doors w/ glazing – for doors where glazing < 50% of rough opening, use glazing rough opening; for doors where glazing ≥ 50% of rough opening, use door rough opening.

[4] Walls utilizing steel studs must use corrected values. Values in table reflect wood framing members only.

[5] Ceiling – roof insulation may be R-22 as long as the vertical height of the vaulted ceiling is no more than 24 inches.

[6] The area of the vaulted ceiling cannot exceed 1/3 of total ceiling area.