



REScheck Software Version 4.1.0
Compliance Certificate

Project Title: Model 123

Report Date: 08/01/07

Data filename: Untitled.rck

Energy Code: **2006 IECC**
Location: **Hickman, Kentucky**
Construction Type: **Single Family**
Conditioned Floor Area: **400 ft²**
Glazing Area Percentage: **10%**
Heating Degree Days: **4004**
Climate Zone: **4**

Construction Site:
Permit # 123abc
Permit Date: 4/8/2007

Owner/Agent:

Designer/Contractor:
ABC Construction
Hickman, KY

Compliance: Passes on UA

Maximum UA: **115** Your Home UA: **110 = 4.3% Better Than Code**

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Glazing or Door U-Factor	UA
Ceiling 1: Flat Ceiling or Scissor Truss	400	30.0	0.0		14
Wall 1: Wood Frame, 16" o.c.	640	13.0	0.0		46
Window 1: Vinyl Frame:Double Pane SHGC: 0.40	64			0.300	19
Door 1: Solid	20			0.600	12
Floor 1: All-Wood Joist/Truss:Over Unconditioned Space	400	19.0	0.0		19

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2006 IECC requirements in REScheck Version 4.1.0 and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Name - Title

Signature

Date

Project Notes:

Orchard Hills Subdivision



REScheck Software Version 4.1.0 Inspection Checklist

Date: 08/01/07

Ceilings:

- Ceiling 1: Flat Ceiling or Scissor Truss, R-30.0 cavity insulation

Comments: _____

Above-Grade Walls:

- Wall 1: Wood Frame, 16" o.c., R-13.0 cavity insulation

Comments: _____

Windows:

- Window 1: Vinyl Frame:Double Pane, U-factor: 0.300

For windows without labeled U-factors, describe features:

#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No

Comments: _____

Note: Up to 15 sq.ft. of glazed fenestration per dwelling is exempt from U-factor and SHGC requirements.

Doors:

- Door 1: Solid, U-factor: 0.600

Comments: _____

This door is exempt from the U-factor requirement.

Floors:

- Floor 1: All-Wood Joist/Truss:Over Unconditioned Space, R-19.0 cavity insulation

Comments: _____

Floor insulation is installed in permanent contact with the underside of the subfloor decking.

Air Leakage:

- Joints, penetrations, and all other such openings in the building envelope that are sources of air leakage are sealed.
- Recessed lights are either 1) Type IC rated with enclosures sealed/gasketed against leaks to the ceiling, or 2) Type IC rated and ASTM E283 labeled, or 3) installed inside an air-tight assembly with a 0.5" clearance from combustible materials and a 3" clearance from insulation.

Materials Identification:

- Materials and equipment are identified so that compliance can be determined.
- Manufacturer manuals for all installed heating and cooling equipment and service water heating equipment have been provided.
- Insulation R-values and glazing U-factors are clearly marked on the building plans or specifications.
- Insulation is installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.

Duct Insulation:

- Ducts in unconditioned spaces are insulated to R-8.
- Ducts in floor trusses are insulated to R-6.

Duct Construction:

- Air handlers, filter boxes, and duct connections to flanges of air distribution system equipment or sheet metal fittings are sealed and mechanically fastened.
- All joints, seams, and connections are made substantially airtight with tapes, gasketing, mastics (adhesives) or other approved closure systems. Tapes and mastics are rated UL 181A or UL 181B.

- Building framing cavities are not used as supply ducts.
- Automatic or gravity dampers are installed on all outdoor air intakes and exhausts.
- Additional requirements for tape sealing and metal duct crimping are included by an inspection for compliance with the International Mechanical Code.

Temperature Controls:

- Thermostats exist for each separate HVAC system. A manual or automatic means to partially restrict or shut off the heating and/or cooling input to each zone or floor is provided.

Heating and Cooling Equipment Sizing:

- Additional requirements for equipment sizing are included by an inspection for compliance with the International Mechanical Code.

Circulating Hot Water Systems:

- Circulating hot water pipes are insulated to R-2.
- Circulating hot water systems include an automatic or accessible manual switch to turn off the circulating pump when the system is not in use.

Heating and Cooling Piping Insulation:

- HVAC piping conveying fluids above 105 degrees F or chilled fluids below 55 degrees F are insulated to R-2.

Certificate:

- A permanent certificate is provided on or in the electrical distribution panel listing the predominant insulation R-values; window U-factors; type and efficiency of space-conditioning and water heating equipment.

NOTES TO FIELD: (Building Department Use Only)



2006 IECC Energy Efficiency Certificate

Insulation Rating	R-Value
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Ceiling / Roof	30.00
Wall	13.00
Floor / Foundation	19.00
Ductwork (unconditioned spaces):	_____

Glass & Door Rating	U-Factor	SHGC
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Window	0.30	0.40
Door	0.60	NA

Heating & Cooling Equipment	Efficiency
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Water Heater: _____

Name: _____ Date: _____

Comments: