

2005 EPACT ENERGY EFFICIENT HOME TAX CREDIT

Building Name:	EnergyStar I	Date:	December 21, 2007
Owner's Name:	J.Q. Public	Builder's Name:	WeeBeeGood Builders
Property Address:	2342 Any St. Cleveland, OH 44124	Weather Site:	Cleveland, OH
		File Name:	EnergyStar.blg

**Normalized, Modified End-Use Loads (MMBtu/year)**

	2004 IECC	
	50% Target	As Designed
Heating:	20.4	22.3
Cooling:	6.7	7.4
Total:	27.1	29.7

**Envelope Loads (MMBtu/year)**

	2004 IECC	
	90% Target	As Designed
Heating:	36.7	33.7
Cooling:	12.1	7.9
Total:	48.7	41.5

**This home DOES NOT meet the requirements for the residential energy efficiency tax credits under Section 1332, Credit for Construction of New Energy Efficient Homes, of the Energy Policy Act of 2005.**

**Building Shell Features**

Ceiling Flat:	R-38	Slab:	R-0.0 Edge, R-0.0 Under
Vaulted Ceiling:	NA	Duct:	R-2.0
Above Grade Walls:	R-19	Window:	U-Value = 0.360, SHGC = 0.450
Foundation Walls:	R-11.0	Heating:	Fuel-fired air distribution, Natural gas, 92.0 AFUE.
Exposed Floor:	NA	Cooling:	Air conditioner, Electric, 12.0 SEER.

**This report provides information useful in determining whether the home qualifies for Energy Efficiency Tax Credits. Homes must be inspected and approved by a certified HERS rater in order to qualify.**

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**2006 IECC OVERALL BUILDING UA COMPLIANCE**

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Elements	Insulation Levels	
	2006 IECC	As Designed
Shell UA Check		
Ceilings:	33.0	29.3
Above-Grade Walls:	58.0	66.8
Windows and Doors:	84.0	85.2
Basement Walls:	69.0	65.1
Overall UA (Design must be lower):	244.0	246.3
Window U-Value Check (per Section 402.6)		
Window U-Value (Design must be lower):	0.480	0.360

This home DOES NOT meet the overall thermal performance requirements of the International Energy Conservation Code based on a climate zone of 5A. (Section 402, International Energy Conservation Code, 2006 edition.)

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Building Elements	Type	U-Value	Area
Ceilings			
Roof	R-38 Blown, Attic	0.027	1100.0
Above-Grade Walls			
Wall	R-19	0.072	821.3
Joist	Rim, Cond	0.050	145.0
Windows and Doors			
Window	Double/LoE - Vinyl	0.360	55.0
Window	Double/LoE - Vinyl	0.360	25.0
Window	Double/LoE - Vinyl	0.360	65.0
Window	Double/LoE - Vinyl	0.360	55.0
Door	1-3/4 Wd solid core	0.329	40.0
Basement Walls			
Wall	R-11 Draped, Full	0.056	1160.0

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2006 IECC ANNUAL ENERGY COST COMPLIANCE

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**Annual Energy Cost**

	2006 IECC	As Designed
Heating:	317	217
Cooling:	72	62
Water Heating:	111	106
Lights & Appliances:	609	609
Photovoltaics:	-0	-0
Service Charge:	120	120
<b>Total:</b>	<b>1228</b>	<b>1113 *</b>
Window U-Value Check (per Section 402.6)		
Window U-Value (Design must be lower):	0.480	0.360

This home **MEETS** the annual energy cost requirements in accordance with Section 404 of the 2006 International Energy Conservation Code based on a climate zone of 5A. In fact, this home surpasses the requirements by 9.3%.

\* Design energy cost is based on the following systems:  
 Heating: Fuel-fired air distribution, 32.0 kBtuh, 92.0 AFUE.  
 Cooling: Air conditioner, 36.0 kBtuh, 12.0 SEER.  
 Water Heating: Conventional, Gas, 0.62 EF.  
 Window-to-Wall Area Ratio: 0.19  
 Blower door test: Htg: 1100 Clg: 1100 CFM50

In accordance with IECC, building inputs, such as setpoints, infiltration rates, and window shading may have been changed prior to calculating annual energy cost. Furthermore, the standard reference design HVAC system efficiencies are set to the "prevailing federal minimum standards" as of January, 2006. These standards are subject to change, and software updates should be obtained periodically to ensure the compliance calculations reflect current federal minimum standards.



# 2006 INTERNATIONAL ENERGY CONSERVATION CODE<sup>®</sup> CERTIFIED HOME

This home built at

## 2342 Any St., Cleveland, OH

by WeeBeeGood Builders

**exceeds the minimum requirements for the 2006 International Energy Conservation Code  
4/12/95**

### Building Shell Features

Ceiling Flat:	R-38	Slab:	R-0.0 Edge, R-0.0 Under
Vaulted Ceiling:	NA	Duct:	R-2.0
Above Grade Walls:	R-19	Window:	U-Value = 0.360, SHGC = 0.450
Foundation Walls:	R-11.0	Heating:	Fuel-fired air distribution, Natural gas, 92.0 AFUE.
Exposed Floor:	NA	Cooling:	Air conditioner, Electric, 12.0 SEER.

**The organization below certifies that the proposed building design described herein 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 compliance with Chapter 4 based on Climate Zone 5A and with all mandatory requirements.**

Name: Al Tibbs, ICC Energy Inspector/Plans Examiner

Signature: \_\_\_\_\_

Organization: C.L.I. Group, LLC

Date: \_\_\_\_\_

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