

1576 E WINDSOR DR. UNIT E13
GILBERT, ARIZONA 85296



PLANREVIEW@BUILDCOMPLIANT.COM
MAIN OFFICE: (480) 489-2692

To whom it may concern,

Desert Skies Code Compliance, a RESNET Certified Home Energy Rater (HERS), has conducted an energy analysis for Green Team Architects for Plan 2020.

We attest that the aforementioned plan meets or exceeds the minimum requirements set forth by the 2012 IECC. Our analysis followed the Performance Path.

Desert Skies Code Compliance uses REM/Rate as our residential energy analysis rating software. This software is endorsed by RESNET (Residential Energy Services Network) and is accredited by the ICC to produce IECC documentation.

The builder and design team understand and acknowledge that the values modeled by Desert Skies Code Compliance with respect to this plan must be incorporated once construction begins. Deviance from the values used in the energy model may require resubmittal.

If you have any questions about our reports, we encourage you to contact us prior to redlining the report.

Thank you,

A handwritten signature in black ink, appearing to read "Stephen Mogowski".

Stephen Mogowski
RESNET Certified HERS Rater (ID# 6730249)
Director of Operations
Desert Skies Code Compliance

2012 IECC ANNUAL ENERGY COST COMPLIANCE

Date:	March 08, 2014	Rating No.:	DS030801
Building Name:	Example Name	Rating Org.:	Desert Skies Code Compliance
Owner's Name:	Green Team Architects	Phone No.:	480-489-2692
Property:	1234 South Cedar Drive	Rater's Name:	Stephen Mogowski
Address:	Phoenix, AZ	Rater's No.:	6730249
Builder's Name:	Green Team Architects		
Weather Site:	Greenville, SC	Rating Type:	Projected Rating
File Name:	2012 IECC Example.blg	Rating Date:	March 8, 2014

	Annual Energy Cost (\$)	
	2012 IECC	As Designed
Heating:	651	659
Cooling:	275	247
Water Heating:	410	410
SubTotal - Used to Determine Compliance:	1336	1315
Lights & Appliances:	959	962
Photovoltaics:	-0	-0
Service Charge:	40	40
Total:	2334	2317 *

Mandatory Requirements:

Duct Insulation R-Value Check (per Section 405.2)		
Minimum Duct Insulation (Design must be equal or higher)	6.0	8.0
Window SHGC Check (Section 402.5)		
Window SHGC Value (Design must be equal or lower):	0.500	0.260
Home Infiltration (Section 402.4.1.2):		PASSES
Duct Leakage (Section 403.2.2):		PASSES
Mechanical Ventilation (Section 403.5):		PASSES

This home MEETS the annual energy cost requirements of Section 405 of the 2012 International Energy Conservation Code based on a climate zone of 3A. In fact, this home surpasses the requirements by 1.5%.

Name: Stephen Mogowski
 Organization: Desert Skies Code Compliance

INFORMATION ONLY
 Date: March 08, 2014

* Design energy cost is based on the following systems:
 ASHP: Htg: 70.1 kBtuh, 10.0 HSPF. Clg: 36.0 kBtuh, 16.0 SEER.
 ASHP: Htg: 70.1 kBtuh, 10.0 HSPF. Clg: 36.0 kBtuh, 16.0 SEER.
 Water Heating: Conventional, Elec, 0.86 EF.
 Window-to-Floor Area Ratio: 0.11

Blower door test: Htg: 3.00 Clg: 3.00 ACH50

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 equal to those in the design home as specified in the 2012 IECC. These standards are subject to change, and software updates should be obtained periodically to ensure the compliance calculations reflect current federal minimum standards.

HOME CERTIFIED TO MEET THE PROVISIONS OF THE 2012 INTERNATIONAL ENERGY CONSERVATION CODE

This home built at

1234 South Cedar Drive, Phoenix, AZ

by Green Team Architects

exceeds the minimum requirements for the 2012 International Energy Conservation Code

March 8, 2014

Building Features

Ceiling Flat: R-38.0 w/RB	Duct Leakage to Outside: 0.04 CFM25 / CFA
Sealed Attic: NA	Total Duct Leakage: 0.04 CFM25 / CFA
Vaulted Ceiling: NA	Infiltration: Htg: 3.00 Clg: 3.00 ACH50
Above Grade Walls: R-23.0	Window: U-Value: 0.320, SHGC: 0.260
Foundation Walls: R-13.0	Air-Source HP Electric, Htg: 10.0 HSPF. Clg: 16.0 SEER.
Exposed Floor: NA	Water Heating Conventional, Electric, 0.86 EF, 80.0 Gal.
Slab: R-10.0 Edge, R-0.0 Under	
Duct: R-8.0	

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 2012 IECC requirements in compliance with Chapter 4 based on Climate Zone 3A and with all mandatory requirements.

Name: Stephen Mogowski
Organization: Desert Skies Code Compliance

Signature:

Date:

INFORMATION ONLY

*The 2012 International Energy Conservation Code is a registered trademark of the International Code Council, Inc. ("ICC").
No version of this software has been reviewed or approved by ICC or its affiliates.
REM/Rate - Residential Energy Analysis and Rating Software v14.4.1*

2012 IECC Certificate

1234 South Cedar Drive, Phoenix, AZ

Building Envelope Insulation

Ceiling:	R-38.0 w/RB
Above Grade Walls:	R-23.0
Foundation Walls:	R-13.0
Exposed Floor:	NA
Slab:	R-10.0 Edge, R-0.0 Under
Infiltration:	Htg: 3.00 Clg: 3.00 ACH50
Duct:	R-8.0
Total Duct Leakage:	0.04 CFM25 / CFA

Window Data

U-Factor

SHGC

Window:	0.320	0.260
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Mechanical Equipment

ASHP: Electric, Htg: 10.0 HSPF, Clg: 16.0 SEER.

DHW: Conventional, Electric, 0.86 EF, 80.0 Gal.

Builder or Design Professional

Signature

INFORMATION ONLY

REMRate - Residential Energy Analysis and Rating Software v14.4.1