



Energy Compliance Certificate

2015 IRC/IECC - Residential

One- and Two-Family Dwellings and Multiple Single-Family Dwellings

Plan Review No.: _____

Permit No.: 280201

Project Address: 11411 E ARABIAN PARK DR (MAIN)

Builder Name: Desert Star Construction

To be completed by responsible parties, signed by builder and submitted to inspector at final inspection.

Inspection Phase	Results	Sign-Off by Responsible Party
<p>1. Thermal Envelope/Air Barrier (N1102/R402) Inspections shall be made before application of interior finish to verify the following in accordance with code, approved plans and specifications:</p> <ul style="list-style-type: none"> Insulation installation (R-values), fenestration (U-factor and SHGC) and continuous air barrier alignment verified by a qualified 3rd party (RESNET certified rater). 	<p><input type="checkbox"/> Pass</p>	<p>_____ Company Name</p> <p>_____ Signature</p> <p>_____ Date(s):</p>
<p>2. Envelope Leakage Testing (N1102.4/R402.4) The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding 5 air changes per hour for detached dwelling units and 7 air changes per hour for attached dwelling units by a qualified 3rd party (RESNET certified rater).</p> <ul style="list-style-type: none"> Testing (N1102.4.1.2/R402.4.1.2) 	<p>Envelope Air Leakage Rate: <u>4.41</u> Air Changes per Hour</p> <p><input checked="" type="checkbox"/> Pass</p>	<p><u>Desert Skies Energy</u> Company Name</p> <p><u>[Signature]</u> Signature</p> <p><u>12/21/24</u> Date(s):</p>
<p>3. Plumbing (Rough-in) Inspection Inspections at plumbing rough-in shall verify compliance as required by the code, approved plans and specifications as to the following:</p> <ul style="list-style-type: none"> Pipe insulation, corresponding R-values, hot water distribution, circulation systems and required controls (N1103.5/R403.5). 	<p><input type="checkbox"/> Pass</p>	<p>_____ Company Name</p> <p>_____ Signature</p> <p>_____ Date(s):</p>
<p>4. Mechanical (Rough-in) Inspection Inspections shall verify compliance as required by the code, approved plans & specs following (N1103/R403):</p> <ul style="list-style-type: none"> Installed HVAC equipment type and size, controls, system insulation and corresponding R-values; Whole-house ventilation and local exhaust (M1507). Where the ducts and air handlers are outside the building thermal envelope, provide a duct leakage test by a qualified 3rd party (RESNET certified rater). 	<p>Duct Leakage Rate: <u>EXEMPT</u> cfm per 100 sf</p> <p><input type="checkbox"/> Rough-in Test <input type="checkbox"/> Post-constr. Test</p> <p><input checked="" type="checkbox"/> Pass</p>	<p><u>Desert Skies Energy</u> Company Name</p> <p><u>[Signature]</u> Signature</p> <p><u>12/21/24</u> Date(s):</p>
<p>5. Final Inspection The final inspection shall verify the proper installation of the following (N1103/R403):</p> <ul style="list-style-type: none"> HVAC system, programmable thermostats, whole-house ventilation (M1507), local exhaust, damper controls and proper operations. High-efficacy lamps and fixtures (N1104/R404). 	<p><input checked="" type="checkbox"/> Pass</p>	<p><u>Desert Skies Energy</u> Company Name</p> <p><u>[Signature]</u> Signature</p> <p><u>12/21/24</u> Date(s):</p>

rev: 1/25/17

Compliance Statement: I certify that to the best of my knowledge the information above is in full compliance with the City of Scottsdale adopted International Energy Conservation Code (IECC) and amendments.

Permit Holder/Builder Signature: _____ Date: _____

280201, 280202

City of Scottsdale

280203

FORMAL IECC CHECKLIST

280205

INSPECTOR: Kevin Wiscombe *Desert Skies Energy*
HERS RATER ID: 1570099 *RESNET HERS Provider ID: 1998-194*
INSPECTION DATE: 12/21/2024 09:55 AM *127 W Juanita Ave #208, Mesa, AZ 85210*

SITE ADDRESS: 11411 E Arabian Park Dr (Guest), Scottsdale, AZ
BUILDER: Desert Star Construction
PRIMARY CONTACT: Chris Barnett, 480-717-1978

ENERGY INSPECTIONS

AIR BARRIER INSPECTION

(R402.4.1.1)

BUILDER VERIFIED

INSULATION INSPECTION

(R402.4.1.1)

BUILDER VERIFIED

ENERGY TESTING

DUCT LEAKAGE TESTING

(R403.2.2)

NOT VERIFIED

ENVELOPE LEAKAGE (BLOWER DOOR)

(R402.4.1.2)

REPAIRS REQUIRED

DUCT TESTING DATA

TARGET (CFM25): N/A
 RESULT (CFM25): N/A
 CFM/CFA: N/A

BLOWER DOOR TESTING DATA

TARGET (CFM50): 1147
 RESULT (CFM50): 2132
 ACH50: 9.29

GENERAL NOTES

Large volume of air movement identified at sealed attic assembly. Per rater air/thermal barrier inspection checklist sent 6/20/23, failure items were identified at knee walls and exterior walls. Areas had also received drywall at time of inspection. Rater was not called out for reinspection of these areas.

Recommend contractor gain access to attic knee walls and fireplace penetration to identify sources of infiltration.



HERS RATER SIGNATURE



Office: 602.282.0279

info@desertskiesenergy.com

City of Scottsdale

280201

FORMAL IECC CHECKLIST

INSPECTOR: Kevin Wiscombe
HERS RATER ID: 1570099
INSPECTION DATE: 12/21/2024 10:05 AM

Desert Skies Energy
RESNET HERS Provider ID: 1998-194
127 W Juanita Ave #208, Mesa, AZ 85210

SITE ADDRESS: 11411 E Arabian Park Dr (Main), Scottsdale, AZ
BUILDER: Desert Star Construction
PRIMARY CONTACT: Chris Barnett, 480-717-1978

ENERGY INSPECTIONS

AIR BARRIER INSPECTION

(R402.4.1.1)

BUILDER VERIFIED

INSULATION INSPECTION

(R402.4.1.1)

BUILDER VERIFIED

ENERGY TESTING

DUCT LEAKAGE TESTING

(R403.2.2)

EXEMPT PER CODE

ENVELOPE LEAKAGE (BLOWER DOOR)

(R402.4.1.2)

PASS

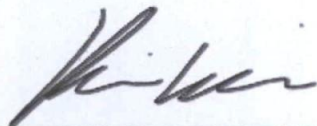
DUCT TESTING DATA

TARGET (CFM25): 615
RESULT (CFM25): 533
CFM/CFA: 0.03

BLOWER DOOR TESTING DATA

TARGET (CFM50): 18670
RESULT (CFM50): 16474
ACH50: 4.41

GENERAL NOTES



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Energy Compliance Certificate

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One- and Two-Family Dwellings and Multiple Single-Family Dwellings

Plan Review No.: _____

Permit No.: 280201

Project Address: 11411 E ARABIAN PARK DR (EXERCISE)

Builder Name: Desert Star Construction

To be completed by responsible parties, signed by builder and submitted to inspector at final inspection.

Inspection Phase	Results	Signature	Responsible Party
1. Thermal Envelope/Air Barrier (N1102/R402) Inspections shall be made before application of interior finish to verify the following in accordance with code, approved plans and specifications: <ul style="list-style-type: none"> Insulation installation (R-values), fenestration (U-factor and SHGC) and continuous air barrier alignment verified by a qualified 3rd party (RESNET certified rater). 	<input checked="" type="checkbox"/> Pass		<u>Energy</u>
2. Envelope Leakage Testing (N1102.4/R402.4) The building or dwelling unit shall be tested and verified as having an air leakage rate <u>not exceeding 5 air changes per hour for detached dwelling units and 7 air changes per hour for attached dwelling units</u> by a qualified (RESNET certified rater). <ul style="list-style-type: none"> Testing (N1102.4.1.2/R402.4.1.2) 			
3. Plumbing (Rough-In) Inspection Inspections at plumbing rough-in shall be made as required by the code, approved plans and specifications as to the following: <ul style="list-style-type: none"> Pipe insulation, cold water distribution, circulation (N1103.5/R403.5). 			
4. Mechanical (Rough-In) Inspection Inspections shall verify compliance with code, approved plans & specs following: <ul style="list-style-type: none"> Installed HVAC equipment type and system insulation and corresponding ductwork. Whole-house ventilation and local exhaust fans. Where the ducts and air handlers are outside the building thermal envelope, provide a duct leakage test by a qualified 3rd party (RESNET certified rater). 			
5. Final Inspection The final inspection shall verify the proper installation of the following (N1103/R403): <ul style="list-style-type: none"> HVAC system, programmable thermostats, whole-house ventilation (M1507), local exhaust, damper controls and proper operations. High-efficacy lamps and fixtures (N1104/R404). 			

IECC Certificate
EXERCISE

Go to avery.com/templates
Use Avery Template 5108

280201

R20 Ceiling Deck

R13 Min.

R19 W/A

R-0.0 Edge, R-0.0 Under

3.78 ACH50

R8

U-Factor 0.40

SHGFA

SHGC 0.25

MAX 14 SEER

Min. 0.95 UEF

EXEMPT

DHW: 0.40

Mechanical Equipment

HVAC: 0.95 UEF

DHW: 0.40

Builder or Design Professional

[Signature]

By signing this document, you attest that all mandatory energy testing has been satisfactorily completed by a certified HERS Rater.

Desert Skies Energy
Company Name

[Signature]
Signature

Date(s): 12/21/24

27/23

Compliance Statement: I certify that to the best of my knowledge the information above is in full compliance with the City of Scottsdale adopted International Energy Conservation Code (IECC) and amendments.

Permit Holder/Builder Signature: _____ Date: _____

City of Scottsdale
FORMAL IECC CHECKLIST

280201

INSPECTOR: Kevin Wiscombe *Desert Skies Energy*
HERS RATER ID: 1570099 *RESNET HERS Provider ID: 1998-194*
INSPECTION DATE: 12/21/2024 09:23 AM *127 W Juanita Ave #208, Mesa, AZ 85210*

SITE ADDRESS: 11411 E Arabian Park Dr (Exercise), Scottsdale, AZ
BUILDER: Desert Star Construction
PRIMARY CONTACT: Chris Barnett, 480-717-1978

ENERGY INSPECTIONS

AIR BARRIER INSPECTION

(R402.4.1.1)

BUILDER VERIFIED

INSULATION INSPECTION

(R402.4.1.1)

BUILDER VERIFIED

ENERGY TESTING

DUCT LEAKAGE TESTING

(R403.2.2)

EXEMPT PER CODE

ENVELOPE LEAKAGE (BLOWER DOOR)

(R402.4.1.2)

PASS

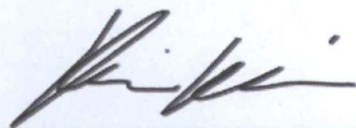
DUCT TESTING DATA

TARGET (CFM25): 42
RESULT (CFM25): 113
CFM/CFA: 0.11

BLOWER DOOR TESTING DATA

TARGET (CFM50): 1012
RESULT (CFM50): 765
ACH50: 3.78

GENERAL NOTES



HERS RATER SIGNATURE



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