



REScheck Software Version 4.6.2 Compliance Certificate

Project Remodel - Sears Residence

Energy Code: **2012 IECC**
 Location: **Alvin, Texas**
 Construction Type: **Single-family**
 Project Type: **New Construction**
 Conditioned Floor Area: **1,088 ft²**
 Glazing Area: **20%**
 Climate Zone: **2 (1507 HDD)**
 Permit Date:
 Permit Number:

Construction Site:
 319 West Adoue St.
 Alvin, TX

Owner/Agent:

Designer/Contractor:
 Wesley Buchhorn
 Southeast Texas Engineering and
 Inspections
 8017 Harborside Dr
 Galveston, TX 77554
 409-741-8741

Compliance: Passes using UA trade-off

Compliance: **8.3% Better Than Code** Maximum UA: **312** Your UA: **286** Maximum SHGC: **0.25** Your SHGC: **0.22**

The % Better or Worse Than Code Index reflects how close to compliance the house is based on code trade-off rules. It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont.- R-Value	U-Factor	UA
Wall 1: Wood Frame, 16" o.c.	187	13.0	0.0	0.082	11
Window 1: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.21	15			0.400	6
Window 2: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.21	15			0.400	6
Door 1: Glass SHGC: 0.25	20			0.350	7
Wall 2: Wood Frame, 16" o.c.	370	13.0	0.0	0.082	27
Window 3: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.21	15			0.400	6
Window 4: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.21	15			0.400	6
Window 5: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.21	15			0.400	6
Wall 3: Wood Frame, 16" o.c.	187	13.0	0.0	0.082	9
Window 6: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.21	15			0.400	6
Window 7: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.21	15			0.400	6
Window 8: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.21	15			0.400	6

Project Title: Remodel - Sears Residence

Data filename: C:\Users\owner\Documents\AAA-ADDRESS FILES FOR RESCHECKS\0001-2017 Reschecks\4-6-2017 319 est Adoue St, Alvin -Remodel-Sears Resid -Engr Wesley.rck

Report date: 04/06/17

Page 1 of 2

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	U-Factor	UA
Window 9: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.21	15			0.400	6
Door 2: Glass SHGC: 0.25	20			0.350	7
Wall 4: Wood Frame, 16" o.c.	370	13.0	0.0	0.082	27
Window 10: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.21	15			0.400	6
Window 11: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.21	15			0.400	6
Window 12: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.21	15			0.400	6
Ceiling 1: Raised or Energy Truss	1,088	38.0	2.0	0.024	26
Floor 1: Slab-On-Grade:Unheated Insulation depth: 1.5'	112		2.0	0.890	100

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 2012 IECC requirements in REScheck Version 4.6.2 and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

G. Buchhorn - Cont- 8185803
Name - Title

G. Buchhorn
Signature

4-6-2017
Date





2012 IECC Energy Efficiency Certificate

Insulation Rating	R-Value
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Above-Grade Wall	13.00
Below-Grade Wall	0.00
Floor	2.00
Ceiling / Roof	40.00
Ductwork (unconditioned spaces):	_____ >

Glass & Door Rating	U-Factor	SHGC
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Window	0.40	0.21
Door	0.35	0.25

Heating & Cooling Equipment	Efficiency
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Heating System: _____	_____
Cooling System: _____	_____ >
Water Heater: _____	_____

By Others

Name: Michael Date: 4-6-2017

Comments

RSCM STRUCTURAL Analysis