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Compliance Certificate

Project Ralston II B Unit (no party wall) 10544 W 63RD LANE

Energy Code: **2018 IECC**
 Location: **Arvada, Colorado**
 Construction Type: **Single-family**
 Project Type: **New Construction**
 Conditioned Floor Area: **1,504 ft²**
 Glazing Area **21%**
 Climate Zone: **5 (6158 HDD)**
 Permit Date:
 Permit Number:

Construction Site:

Owner/Agent:

Designer/Contractor:

Andrew Wildenberg
 e3 Power
 1616 17th ST Suite 383
 Denver, CO 80202
 303-292-1233
 andy@e3power.net

Compliance: Passes using UA trade-off

Compliance: **1.7% Better Than Code** Maximum UA: **121** Your UA: **119**

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.

Slab-on-grade tradeoffs are no longer considered in the UA or performance compliance path in REScheck. Each slab-on-grade assembly in the specified climate zone must meet the minimum energy code insulation R-value and depth requirements.

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Prop. U-Factor	Req. U-Factor	Prop. UA	Req. UA
Ceiling: Flat Ceiling or Scissor Truss	1,103	21.0	28.0	0.020	0.026	22	29
Back Wall: Wood Frame, 16" o.c.	198	21.0	0.0	0.057	0.060	8	9
Window: Vinyl Frame	25			0.300	0.300	8	8
Window 1: Vinyl Frame	25			0.300	0.300	8	8
Front Wall: Wood Frame, 16" o.c.	198	21.0	0.0	0.057	0.060	6	6
OH Door: Solid Door (under 50% glazing)	24			0.140	0.300	3	7
OH Door 1: Glass Door (over 50% glazing)	45			0.550	0.300	25	14
Window: Vinyl Frame	24			0.300	0.300	7	7
Window 1: Vinyl Frame	6			0.300	0.300	2	2
Garage Wall: Wood Frame, 16" o.c.	198	21.0	0.0	0.057	0.060	10	11
Door: Solid Door (under 50% glazing)	21			0.300	0.300	6	6
Floor over Garage: All-Wood Joist/Truss	418	30.0	0.0	0.033	0.033	14	14
Floor: Slab-On-Grade (Unheated) Insulation depth: 2.0'	19		10.0	0.540	0.540	0	0

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 2018 IECC requirements in REScheck Version : REScheck-Web and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Andy Wildenberg

Name - Title

Andrew Wildenberg

Signature

11.15.2021

Date