



Generated by REScheck-Web Software

# Compliance Certificate

Project Burns

Energy Code: **2021 IECC**  
Location: **Steamboat Springs, Colorado**  
Construction Type: **Single-family**  
Project Type: **New Construction**  
Conditioned Floor Area: **1,492 ft2**  
Glazing Area: **8%**  
Climate Zone: **7 (9779 HDD)**  
Permit Date:  
Permit Number:  
All Electric: **false**  
Is Renewable: **false**  
Has Charger: **false**  
Has Battery: **false**  
Has Heat Pump: **false**

Construction Site:  
56990 Golden Tide Place  
Clark, CO 80428

Owner/Agent:

Designer/Contractor:  
Woodhouse Post and Beam  
Mansfield, Pennsylvania 16933

## Compliance: Passes using UA trade-off

Compliance: **13.7% Better Than Code** Maximum UA: **242** Your UA: **209**

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: Structural Insulated Panels (SIPs)	886		41.0	0.026	0.024	23	21
Wall 1: Structural Insulated Panels	405		34.0	0.032	0.045	12	17
Door 203: Solid Door (under 50% glazing)	22			0.190	0.320	4	7
Window 5: Wood Frame	10			0.280	0.320	3	3
Wall 2: Structural Insulated Panels	686		34.0	0.032	0.045	15	21
Door 201: Solid Door (under 50% glazing)	39			0.200	0.320	8	12
OHD: Solid Door (under 50% glazing)	64			0.200	0.320	13	20
OHD: Solid Door (under 50% glazing)	64			0.200	0.320	13	20
Window 3: Wood Frame	19			0.270	0.320	5	6
Window 3: Wood Frame	19			0.270	0.320	5	6

Project Title: Burns  
Data filename:

Report date: 09/26/24  
Page 1 of 2

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Prop. U-Factor	Req. U-Factor	Prop. UA	Req. UA
Window 4: Wood Frame	19			0.270	0.320	5	6
Wall 3: Structural Insulated Panels	549		34.0	0.032	0.045	16	23
Door 204: Solid Door (under 50% glazing)	22			0.190	0.320	4	7
Window 1: Wood Frame	10			0.280	0.320	3	3
Window 2: Wood Frame	10			0.280	0.320	3	3
Wall 4: Structural Insulated Panels	387		34.0	0.032	0.045	10	14
Door 202: Glass Door (over 50% glazing)	41			0.300	0.320	12	13
Window 6: Wood Frame	15			0.290	0.320	4	5
Window 6: Wood Frame	15			0.290	0.320	4	5
Window 6: Wood Frame	15			0.290	0.320	4	5
First Floor: All-Wood Joist/Truss	820	30.0	0.0	0.033	0.028	27	23
Garage Floor: Slab-On-Grade (Unheated)							
Insulation depth: 4.0'	104		15.0	0.630	0.640	0	0
Insulation position: Horizontal Insulation							
Basement Wall: Solid Concrete or Masonry							
Wall height: 10.0'							
Depth below grade: 9.0'	290	13.0	0.0	0.054	0.050	16	15
Insulation depth: 10.0'							

## Additional Efficiency Package(s)

Required: 1    Proposed: 1

Description	Credits
Enhanced Envelope Performance	1.0

**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 2021 IECC requirements in REScheck Version : REScheck-Web and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

<b>Home Designer</b>	<i>Lori Wagner</i>	<b>9-26-2024</b>
Name - Title	Signature	Date