

East Elevation

● 38°58'54"N, 104°37'51"W ±19ft ▲ 7245ft



Prepared for: Meritage Homes

10226 Hartwood Dr
Peyton, CO 80831Supervisor: Michael Fischer
Subdivision: Paint Brush Hills
Plan name: 5291Inspection performed by:
Justin Alletto (RTIN: 2151087)

Inspected for the following programs/codes:

- Energy Star
- IAP
- PPRBC - 2023 IECC Compliance

Inspection Results: **Passed**

Inspection History

Date	Inspection	Rater	Result
08/06/2025	Final Inspection	Justin Alletto	✓
07/01/2025	Insulation & Air Barrier Inspection	Kevin Coleman - RFI	✓
07/01/2025	Duct Leakage Inspection	Kevin Coleman - RFI	✓
07/01/2025		Kevin Coleman - RFI	

If you have any questions about this report, do not hesitate to contact me directly.
Justin Alletto, justin.alletto@nrglogic.com, 720-818-3770

Local Mechanical Exhaust

Inspection item:	Bath Fans: exhaust more than 50 CFM intermittent or 20 CFM continuous.	Result:
Inspection log: 8/6/2025	<div>✓</div> Action needed: All fans passed ventilation requirements Note from rater:	<div>✓</div>

Building Shell/Blower Door Test

		Target	Measured
CFM@50	3 ACH50	2275.30 CFM50	908.3 CFM50
ACH@50		3 ACH50	1.20 ACH50
House to Garage Connection		45 Pa	45 Pa

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Building Shell/Insulation (Insulation installed to manufacturer's specs/Grade 1)

Exterior Walls	Insulation Type	R-Value
Walls	B6 - Open Celled Foam - R3.7 per inch	20
Rim/Box	B6 - Open Celled Foam - R3.7 per inch	19
Ceiling	Insulation Type	R-Value
Blown attic	B6 - Open Celled Foam - R3.7 per inch	38
Floor Systems	Insulation Type	R-Value
Floors	B6 - Open Celled Foam - R3.7 per inch	30
Foundation	Insulation Type	R-Value
Foundation	B4 - Fiberglass Blanket Vinyl	19

Building Shell/Windows

	U Value	SHGC
Above grade windows	.30	.36
Foundation windows	.29	.23
Above grade slider	.28	.40

Whole House Mech Ventilation

	Target	Measured
Flow volume	87 CFM	89 CFM

Mechanical System #1 Furnace - Conditioned Area

Rough Duct Testing Results

Furnace	Carrier - 59TP6C080V211120
Test Condition	Rough In With Air Handler - 2021 IECC R403.3.6 #3
AC Coil	Carrier - CVAVA4821XMAE
Manual JDS used	
Conditioned floor area	4160
Calculated for	6 CFM/100SF
Max duct leakage allowed	249
Testing result	152

Duct Location	Supply %	Return %
Conditioned Space	100	100

Mechanical System #1 Furnace - Conditioned Area

Item	Design	As Built
Cooling season design temperatures used in loads are within defined ENERGY STAR limits	90	90
Heating season design temperatures used in loads are within defined ENERGY STAR limits	0	0
HVAC design home orientation matches rated home AND sensible, latent, and total DESIGN heat gains are documented for the correct orientation	E	E
Number of occupants used in loads is withing +/- 2 of home to be certified	5	6
Conditioned Floor Area used in HVAC design is between 100sqft less than and 300sqft greater than the home being certified	4437.6	4160
Window area used in HVAC design loads is between 15sqft less than and 60sqft larger than home being certified, or, for homes with > 500 sq ft of window area, between 3% smaller and 12% larger	338	318
Predominant window SHGC used in loads is within 0.1 of predominant value of home to be certified	.36	.36
HVAC DESIGN REPORT FOR MODELS: variations in total heat gain across orientations is = or < 6kBtuh on Design Report	18.2	24.1
HVAC DESIGN REPORT: Cooling size % (4.13) is within the cooling sizing limit (4.15) selected by HVAC designer	113	130

Item	Design	As Built
Furnace manufacturer and model number on installed equipment matches HVAC Design report	59TP6C080V211120	59TP6C080V211120
A/C Coil manufacturer and model number on installed equipment matches HVAC Design report	CVAVA4821XMAE	CVAVA4821XMAE
A/C Condenser manufacturer and model number on installed equipment matches HVAC Design report	GA4SAN54800NABAA	GA4SAN54800NABAA