



# BUILDING DEPARTMENT SIGNIFICANT CHANGES EFFECTIVE JANUARY 1, 2023

# Plan Submittal

The City of Sheridan Building Department will begin requiring the following additional information on plans before acceptance:

1. RESCheck or equivalent Chapter 11 energy code compliance verification (see next slide for details)
2. Dimensional Site Plan to include (as applicable):
  - a. Setbacks, current/proposed buildings, easements, parking lot dimensions, drive aisle widths, handicap spaces
  - b. Entryway and Gateway District construction has additional requirements (contact Planning Department with questions)
3. Quality, complete plan packet including numbered pages, title page, and a complete list of contractors
  - a. [Residential Requirements](#)
  - b. [Commercial Requirements](#)

# What is RESCheck and Energy Code Compliance?

On April 1, 2022, the City of Sheridan adopted the 2021 ICC code. Within that code, [Chapter 11](#) of the International Residential Code covers energy efficiency requirements.

Energy Code requirements must be met per the adopted 2021 International Residential Code (IRC).

RESCheck (Residential) and COMCheck (Commercial) may be used for Performance based compliance.

RESCheck/COMCheck is an acceptable software and may be downloaded for free at [www.energycodes.gov](http://www.energycodes.gov)

Other equivalent software and calculations may be accepted upon review.



# Insulation Requirements

Per Chapter 11 of the 2021 IRC, the following table for minimum insulation R-values will be required. Sheridan falls under Climate Zone 6. RESCheck calculations may help lessen these requirements by using R-Value from other materials to meet minimum standards.

CLIMATE ZONE	FENESTRATION U-FACTOR <sup>b,1</sup>	SKYLIGHT <sup>b</sup> U-FACTOR	GLAZED FENESTRATION SHGC <sup>b, e</sup>	CEILING R-VALUE	WOOD FRAME WALL R-VALUE <sup>g</sup>	MASS WALL R-VALUE <sup>h</sup>	FLOOR R-VALUE	BASEMENT <sup>c,9</sup> WALL R-VALUE	SLAB <sup>d</sup> R-VALUE & DEPTH	CRAWL SPACE <sup>c,9</sup> WALL R-VALUE
0	NR	0.75	0.25	30	13 or 0&10ci	3/4	13	0	0	0
1	NR	0.75	0.25	30	13 or 0&10ci	3/4	13	0	0	0
2	0.40	0.65	0.25	49	13 or 0&10ci	4/6	13	0	0	0
3	0.30	0.55	0.25	49	20 or 13&10ci <sup>h</sup> or 0&15ci <sup>h</sup>	8/13	19	5ci or 13 <sup>f</sup>	10ci, 2 ft	5ci or 13 <sup>f</sup>
4 except Marine	0.30	0.55	0.40	60	30 or 20&5ci <sup>h</sup> or 13&10ci <sup>h</sup> or 0&20ci <sup>h</sup>	8/13	19	10ci or 13	10ci, 4 ft	10ci or 13
5 and Marine 4	0.30	0.55	0.40	60	30 or 20&5ci <sup>h</sup> or 13&10ci <sup>h</sup> or 0&20ci <sup>h</sup>	13/17	30	15ci or 19 or 13&5ci	10ci, 4 ft	15ci or 19 or 13&5ci
6	0.30	0.55	NR	60	30 or 20&5ci <sup>h</sup> or 13&10ci <sup>h</sup> or 0&20ci <sup>h</sup> **	15/20	30	15ci or 19 or 13&5ci	10ci, 4 ft	15ci or 19 or 13&5ci
7 and 8	0.30	0.55	NR	60	30 or 20&5ci <sup>h</sup> or 13&10ci <sup>h</sup> or 0&20ci <sup>h</sup>	19/21	38	15ci or 19 or 13&5ci	10ci, 4 ft	15ci or 19 or 13&5ci

\*\* (0) refers to masonry or concrete wall material

# Inspections

1. Inspections must be completed in the correct order and new inspections will not be scheduled until previous inspections have been completed and passed.
2. In the event of a failed inspection, the inspector will provide a printed copy of the failed inspection report to the representative on site for their reference.
3. Any missed or failed inspections, or steps not complete per procedure will be subject to tear out or removal for inspection as necessary. Photos and 3rd party approval letters will not be accepted in these instances.
4. Pre manufactured foam and footing foundations systems will be verified by inspector on-site per manufacturer requirements (includes unheated buildings).
5. New Inspections Required:
  - a. Weather Barrier System
  - b. Window and Door energy code sticker and/or specification documents must be available on site for inspector verification of energy code compliance at Building Final inspection.

# Licensing

Inspectors will be required to check licenses on-site as needed to ensure proper ratios of licensed/unlicensed employees per [Chapter 7](#) of Sheridan Municipal Code.

An unlicensed representative is allowed to meet Staff for inspections, so long as the individual is knowledgeable and can answer any potential questions the inspector may have about the project/inspection.



# Miscellaneous Changes

- Mechanical Acid Neutralizers or Exhaust Pressure on vents will not be required. (Per IMC Section 307.1 and IFGC 503.4.1.1)
- Fire-Proof rooms for Mechanical Systems in crawl spaces will not be required. (Per IRC Section R302.13 exp 2)
- Monolithic slab detail for unheated shops must meet 48in frost depth minimum.
- A vapor barrier installed at time of monolithic slab inspection on heated living spaces.
- All Commercial structural concrete shall be tested per “ASTM C39 Compressive Strength of Cylindrical Concrete Specimens” to determine if it meets the design requirements specified on the approved set of plans. Test results shall be submitted to the Registered Professional on record for approval. Approval must be submitted prior to framing.

CITY OF  
*Sheridan*



—♦♦ W Y O M I N G ♦♦—  
**QUESTIONS?**

CONTACT THE BUILDING DEPARTMENT AT  
**674-5941**