



What are the Requirements?

Projects following the prescriptive compliance option of the residential provisions of the 2022 Denver Energy Code (DEC) must meet all requirements outlined in DEC Sections R401 through R404 for:

- Building thermal envelope
- Mechanical systems
- Electric power
- Lighting

Project teams must also select additional efficiency package options to meet the minimum credits outlined in DEC Section R408. Envelope compliance can be shown with meeting one of the following:

- The R-value table
- The U-factor table
- The UA alternative which is typically shown with REScheck.

How Does this Apply to Your Project?

The prescriptive compliance option is the most common pathway for compliance, providing a straightforward check-the-box approach that does not require complex energy modeling. For teams that select the total UA alternative (Section R402.1.5) to meet the building thermal envelope requirements, REScheck or another approved software must be used to show compliance.

Along with construction documents, permit applicants must submit:

- The Prescriptive Checklist
- Any supplemental documentation required to show compliance



Why is this Important?

Project teams should review the requirements of R408 early in design to identify a pathway to achieve the minimum credits required. All-electric properties only need to achieve three credits. Mixed fuel buildings require 18 credits for compliance with R408.

What is the Climate Impact?

The 2022 Denver Energy Code will reduce operational carbon emissions for residential new construction by 58% over the previous code. The additional energy efficiency options in Section R408 alone account for an estimated 13% operational carbon savings.