CLIMATIC AND GEOGRAPHICAL DESIGN CRITERIA FOR RESIDENTIAL STRUCTURES 2018 IRC

<table>
<thead>
<tr>
<th>Ground Snow Load</th>
<th>Wind Speed</th>
<th>Seismic Design</th>
<th>Weathering</th>
<th>Frost Line Depth</th>
<th>Termite Decay</th>
<th>Winter Design Temp</th>
<th>Ice Shield Under-</th>
<th>Flood Hazard</th>
<th>Air Freezing Index</th>
<th>Mean Annual Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>115*</td>
<td>B</td>
<td>Severe</td>
<td>30&quot;</td>
<td>Slight</td>
<td>None</td>
<td>No</td>
<td>W.C.C.</td>
<td>1224</td>
<td>49</td>
</tr>
</tbody>
</table>

*3 Second Gust
All of unincorporated Weld County is in Exposure C.

CLIMATIC AND GEOGRAPHICAL DESIGN CRITERIA FOR COMMERCIAL STRUCTURES 2018 IBC

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<th>Ground Snow Load</th>
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</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>110*</td>
<td>B</td>
<td>Severe</td>
<td>30&quot;</td>
<td>Slight</td>
<td>None</td>
<td>No</td>
<td>W.C.C.</td>
<td>1224</td>
<td>49</td>
</tr>
</tbody>
</table>

*3 Second Gust – Category II structures
**Category I structure wind speed 103 mph 3 second gust
***Category III wind speed 112 mph 3 Sec Gust and Category IV structure wind speed 120 mph 3 second gust
All of unincorporated Weld County is in Exposure C.

Simplified Insulation Requirement Single-family Prescriptive Zone 5

<table>
<thead>
<tr>
<th>Glazing U-factor</th>
<th>Ceiling/Floor Over Outside</th>
<th>Wall</th>
<th>Floor</th>
<th>Basement Wall</th>
<th>Slab on Grade Perimeter</th>
<th>Crawlspace Wall</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.35 Max.</td>
<td>R-38 Min.</td>
<td>R-19 R\textsuperscript{a} 13+5\textsuperscript{a}</td>
<td>R-30\textsuperscript{b} Min.</td>
<td>R-10/R-13 Min.\textsuperscript{c}</td>
<td>R-10, 2ft. Min.</td>
<td>R-10/R-13 Min.\textsuperscript{c}</td>
</tr>
</tbody>
</table>

\textsuperscript{a} “13+5” means R-13 cavity insulation plus R-5 insulated sheathing.
\textsuperscript{b} Or insulation sufficient to fill the framing cavity, R-19 minimum.
\textsuperscript{c} The first R value applies to continuous insulation, the second to framing cavity insulation, either insulation meets the requirement.
ADOPTED BUILDING CODES

The Weld County Building Department is enforcing the 2017 National Electric Code (NEC) and the 2006 International Energy Conservation Code (IECC) in all portions of unincorporated Weld County.

Effective January 1, 2019, Weld County Building Department began enforcing the following International Codes:

- 2018 International Building Code
- 2018 International Existing Building Code
- 2018 International Residential Code
- 2018 International Mechanical Code
- 2018 International Plumbing Code
- 2018 International Fuel Gas Code
- 2006 International Energy Conservation Code

*See Amendments to all of the above codes listed in Chapter 29 of the Weld County Code*