

## CODE INTERPRETATION/POLICY

<b>Code/Year</b> 2021 IRC International Residential Code	<b>Section of Code</b> R301.2	<b>Title of Code Section/Subsection/Policy</b> Climatic and geographic design criteria																											
<b>Statement/Background of Issue</b> <p>In March 2025, county adopted design criteria that are published in the Executive Regulation 13-24. Table R301.2 displays the required criteria for residential buildings construction, including Manual J Design Criteria. However, the table was published with inaccurate criteria.</p>																													
<b>Division Interpretation/Policy</b> <p>This policy establishes the corrected design criteria in Table R301.2 to ensure HVAC systems are accurately sized for optimal performance, efficiency, and comfort, as required by adopted legislation.</p> <p>Manual J Design Criteria</p> <table border="1"> <tr> <th>Latitude</th> <th>Coincident wet bulb</th> <th>Indoor winter design relative humidity</th> <th>Indoor winter design dry-bulb temperature</th> <th>Outdoor winter design dry-bulb temperature</th> <th>Heating temperature difference</th> </tr> <tr> <td>39°N</td> <td>76°F</td> <td>50%</td> <td>70°F</td> <td>14°F</td> <td>56°F</td> </tr> <tr> <th>Daily range</th> <th>Indoor summer design relative humidity</th> <th>Indoor summer design dry-bulb temperature</th> <th>Outdoor summer design dry-bulb temperature</th> <th colspan="2">Cooling temperature difference</th> </tr> <tr> <td>M</td> <td>50%</td> <td>75°F</td> <td>92°F</td> <td colspan="2">17°F</td> </tr> </table>						Latitude	Coincident wet bulb	Indoor winter design relative humidity	Indoor winter design dry-bulb temperature	Outdoor winter design dry-bulb temperature	Heating temperature difference	39°N	76°F	50%	70°F	14°F	56°F	Daily range	Indoor summer design relative humidity	Indoor summer design dry-bulb temperature	Outdoor summer design dry-bulb temperature	Cooling temperature difference		M	50%	75°F	92°F	17°F	
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<b>Interpretation/Policy No.</b> RCFCCP 2-2025	<b>Date</b> 11.5.2025	George Muste <b>Division Chief</b> 																											