

# Appendix B: Code Measure Reference Chart

Measure	Description	Code Sections					
		IECC			90.1		
		2009	2012	2015	2007	2010	2013
5012	Roofs shall be insulated to meet CZ requirements	502.2.1	C402.2.1	C402.2.2	5.5.3.1	5.5.3.1	5.5.3.1
5014	Low slope roofs in CZ 1-3 shall be cool roofs	N/A	C402.2.1.1	C402.3	5.5.3.1.1	5.5.3.1.1	5.5.3.1.1
5018A	Above grade frame walls shall be insulated to meet CZ requirements	502.2.3	C402.2.3	C402.2.3	5.5.3.2	5.5.3.2	5.5.3.2
5018B	Above grade mass walls shall be insulated to meet CZ and density requirements	502.2.3	C402.2.3	C402.2.3	5.5.3.2	5.5.3.2	5.5.3.2
5023A	Exterior frame floors shall meet the insulation requirements	502.2.5	C402.2.5	C402.2.4	5.5.3.4	5.5.3.4	5.5.3.4
5023B	Exterior mass floors shall meet the minimum R-value or U-value by assembly type	502.2.5	C402.2.5	C402.2.4	5.5.3.4	5.5.3.4	5.5.3.4
5029B	Opaque rollup doors shall meet U-factor requirements	502.2.7	C402.2.7	C402.4.4	5.5.3.6	5.5.3.6	5.5.3.6
5034	Window-to-wall ratio shall meet maximum limits	502.3.1	C402.3.1	C402.4.1	5.5.4.2.1	5.5.4.2.1	5.5.4.2.1
5035	Skylight to roof ratio shall meet maximum limits	502.3.1	C402.3.1	C402.4.1	5.5.4.2.2	5.5.4.2.2	5.5.4.2.2
5042A	Windows shall meet U-factor requirements	502.3.2	C402.3.3	C402.4.3	5.5.4.3	5.5.4.3	5.5.4.3

<b>5042B</b>	<b>Windows shall meet SHGC requirements</b>	502.3.2	C402.3.3	C402.4.3	5.5.4.4.1	5.5.4.4.1	5.5.4.4.1
<b>5043A</b>	<b>Skylights shall meet U-factor requirements</b>	502.3.2	C402.3.3	C402.4.3	5.5.4.3	5.5.4.3	5.5.4.3
<b>5043B</b>	<b>Skylights shall meet SHGC requirements</b>	502.3.2	C402.3.3	C402.4.3	5.5.4.4.2	5.5.4.4.2	5.5.4.4.2
<b>5056</b>	<b>Building shall meet continuous air barrier requirements</b>	N/A	C402.4.1	C402.5.1	5.4.3.1	5.4.3.1	5.4.3.1
<b>5077</b>	<b>Stair and shaft vent leakage</b>	502.4.5	C402.4.5	C402.5.5	6.4.3.4.1	6.4.3.4.1	6.4.3.4.1
<b>5083</b>	<b>Building entrances shall be protected with an enclosed vestibule</b>	502.4.7	C402.4.7	C402.5.7	5.4.3.4	5.4.3.4	5.4.3.4
<b>5089</b>	<b>Fenestration orientation</b>	N/A	N/A	N/A	N/A	5.5.4.5	5.5.4.5
<b>6005A</b>	<b>Packaged air conditioner efficiency</b>	503.2.3	C403.2.3	C403.2.3	6.4.1.1	6.4.1.1	6.4.1.1
<b>6005B</b>	<b>Packaged heat pump efficiency</b>	503.2.3	C403.2.3	C403.2.3	6.4.1.1	6.4.1.1	6.4.1.1
<b>6005C</b>	<b>Gas furnace efficiency</b>	503.2.3	C403.2.3	C403.2.3	6.4.1.1	6.4.1.1	6.4.1.1
<b>6005D</b>	<b>Boiler efficiency</b>	503.2.3	C403.2.3	C403.2.3	6.4.1.1	6.4.1.1	6.4.1.1
<b>6005E</b>	<b>WSHP efficiency</b>	503.2.3	C403.2.3	C403.2.3	6.4.1.1	6.4.1.1	6.4.1.1
<b>6007A</b>	<b>Air-cooled Chiller efficiency</b>	503.2.3	C403.2.3	C403.2.3	6.4.1.1	6.4.1.1	6.4.1.1
<b>6007B</b>	<b>Water-cooled Chiller efficiency</b>	503.2.3	C403.2.3	C403.2.3	6.4.1.1	6.4.1.1	6.4.1.1
<b>6017</b>	<b>Heat pump supplementary heat control</b>	503.2.4.1.1	C403.2.4.1.1	C403.2.4.1.1	6.4.3.5	6.4.3.5	6.4.3.5
<b>6018</b>	<b>Thermostat deadband requirement</b>	503.2.4.2	C403.2.4.2	C403.2.4.1.2	6.4.3.1.2	6.4.3.1.2	6.4.3.1.2
<b>6019A</b>	<b>Thermostat heating setback</b>	503.2.4.3.1	C403.2.4.3.1	C403.2.4.2.1	6.4.3.3.2	6.4.3.3.2	6.4.3.3.2
<b>6019B</b>	<b>Thermostat cooling setback</b>	503.2.4.3.1	C403.2.4.3.1	C403.2.4.2.1	6.4.3.3.2	6.4.3.3.2	6.4.3.3.2
<b>6019C</b>	<b>Night fan control</b>	503.2.4.3.2	C403.2.4.3.2	C403.2.4.2.2	6.4.3.3.1	6.4.3.3.1	6.4.3.3.1
<b>6023</b>	<b>Optimal start controls</b>	N/A	C403.2.4.3.3	C403.2.4.2.3	6.4.3.3.3	6.4.3.3.3	6.4.3.3
<b>6026p</b>	<b>Snow and ice-melting system control</b>	503.2.4.5	C403.2.4.5	C403.2.4.5	6.4.3.8	6.4.3.8	6.4.3.7

<b>6029</b>	<b>Demand control ventilation</b>	503.2.5.1	C403.2.5.1	C403.2.6.1	6.4.3.9	6.4.3.9	6.4.3.8
<b>6030</b>	<b>Energy recovery requirement</b>	503.2.6	C403.2.6	C403.2.7	6.5.6	6.5.6	6.5.6
<b>6033p</b>	<b>Exterior (outside building) Duct insulation</b>	503.2.7	C403.2.7	C403.2.9	6.4.4.1.2	6.4.4.1.2	6.4.4.1.2
<b>6035</b>	<b>Duct leakage requirement</b>	503.2.7.1	C403.2.7.1	C403.2.9.1	6.4.4.2	6.4.4.2	6.4.4.2
<b>6042B</b>	<b>Hydronic Piping HW Insulation Requirement</b>	503.2.8	C403.2.8	C403.2.10	6.4.4.1.3	6.4.4.1.3	6.4.4.1.3
<b>6045p</b>	<b>Mechanical Commissioning</b>	N/A	C408.2	C408.2	6.7.2.4	6.7.2.4	6.7.2.4
<b>6046A</b>	<b>Fan power limit requirement for PkgAC</b>	503.2.10	C403.2.10	C403.2.12.1	6.5.3.1	6.5.3.1	6.5.3.1
<b>6046B</b>	<b>Fan power limit requirement for VAV</b>	503.2.10	C403.2.10	C403.4.4.4	6.5.3.2	6.5.3.2	6.5.3.2
<b>6051</b>	<b>Outdoor heating: radiant and controlled</b>	503.2.11	C403.2.11	C403.2.13	6.5.8	6.5.8.1	6.5.8.1
<b>6056</b>	<b>Economizer supplies 100% design supply air</b>	503.3.1	C403.3.1.1.1	C403.3	6.5.1.1	6.5.1.1.1	6.5.1.1.1
<b>6066p</b>	<b>Water economizer capacity meets requirements</b>	503.4.1	C403.4.1.1	C403.3	6.5.1.2	6.5.1.2.1	6.5.1.2.1
<b>6070</b>	<b>Multi-zone reheat systems shall be VAV with appropriate zone minimums, and fans with motors <math>\geq</math>threshold hp shall be variable speed or pitch</b>	503.4.2	C403.4.2	C403.4.1.1	6.5.3.2	6.5.3.2	6.5.3.2
<b>6071</b>	<b>Static pressure reset for multi-zone VAV fans</b>	503.4.2	C403.4.2.1	C403.4.1.2	6.5.3.2.2	6.5.3.2.2	6.5.3.2.2
<b>6089</b>	<b>Each WSHP in a system exceeding 10 hp pump shall have a two-position valve</b>	503.4.3.3.3	C403.4.3.3.3	C403.4.2.4	6.5.4.1	6.5.4.1	6.5.4.2
<b>6091p</b>	<b>Multiple chiller shall reduce flow when a chiller is shut down</b>	503.4.3.5	C403.4.3.4	C403.4.3.4	6.5.4.2	6.5.4.3	6.5.4.4

<b>6101</b>	<b>Multiple zone HVAC systems shall have supply-air temperature reset controls</b>	503.4.5.4	C403.4.5.4	C403.4.4.5	6.5.3.4	6.5.3.4	6.5.3.4
<b>6106AS</b>	<b>VAV ventilation optimization</b>	N/A	N/A	C403.4.4.6	N/A	6.5.3.3	6.5.3.3
<b>6108AS</b>	<b>Single zone VAV</b>	N/A	N/A	C403.4.4.1	N/A	6.4.3.10	6.5.3.2.1
<b>6109pAS</b>	<b>Parking garage fan controls</b>	N/A	N/A	C403.2.6.2	6.4.3.4.5	6.4.3.4.5	6.4.3.4.5
<b>6110pAS</b>	<b>Zone Isolation</b>	N/A	N/A	C403.2.4.4	6.4.3.3.4	6.4.3.3.4	6.4.3.3.4
<b>7006</b>	<b>SWH Pipe Insulation - Recirculated</b>	504.5	C404.5	C404.4	7.4.3	7.4.3	7.4.3
<b>9003</b>	<b>Manual lighting control</b>	505.2.1	C405.2.1	C405.2.2.3	9.4.1.2	9.4.1.2	9.4.1.1.a
<b>9009</b>	<b>Automatic time switch control</b>	505.2.2.2	C405.2.2.1	C405.2.2	9.4.1.1	9.4.1.1	9.4.1.1.i
<b>9011</b>	<b>Occupancy sensor control</b>	505.2.2.2	C405.2.2.2	C405.2.1	9.4.1.2	9.4.1.2b	9.4.1.1.h
<b>9014A</b>	<b>Daylighting control</b>	505.2.2.3	C405.2.2.3	C405.2.3	N/A	9.4.1.5	9.4.1.1.ef
<b>9014B</b>	<b>For large, high-bay spaces total daylight zone under skylights at least 1/2 of floor area</b>	N/A	C402.3.2	C402.4.2	N/A	5.5.4.2.3	5.5.4.2.3
<b>9025</b>	<b>Display lighting control</b>	N/A	C405.2.3(2)	C405.2.4(1)	9.4.1.4	9.4.1.6	9.4.1.3.a
<b>9029</b>	<b>Lighting for nonvisual applications shall be controlled separately</b>	N/A	C405.2.3(5)	C405.2.4(5)	9.4.1.4	9.4.1.6	9.4.1.3.a
<b>9031</b>	<b>Exterior lighting control</b>	505.2.4	C405.2.4	C405.2.5	9.4.1.3	9.4.1.7	9.4.1.4
<b>9037</b>	<b>Interior lighting power allowance</b>	505.5.2	C405.5.2	C405.4.2	9.5.1	9.5.1	9.5.1
<b>9047</b>	<b>Additional retail lighting power allowance</b>	505.5.2	C405.5.2	C405.4.2.2.1	9.6.1	9.6.2	9.6.2
<b>9048</b>	<b>Exterior lighting power allowance</b>	505.6.2	C405.6.2	C405.5.1	9.4.5	9.4.3	9.4.2
<b>9054AS</b>	<b>Occupant based parking garage light control</b>	N/A	N/A	N/A	N/A	9.4.1.3	9.4.1.2
<b>9055pAS</b>	<b>Receptacle controls</b>	N/A	N/A	N/A	N/A	8.4.2	8.4.2
<b>9099p</b>	<b>Lighting Testing or Commissioning</b>	N/A	C408.3	C408.3	N/A	9.4.4	9.4.3

<b>15007</b>	<b>Optional onsite renewable</b>	N/A	N/A	C406.5	N/A	N/A	N/A
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