

OPAQUE ABOVE-GRADE WALL - THERMAL ENVELOPE REQUIREMENTS

		Energy Code	2012 SEC		2012 WSEC		2014 OEESC		2012 IECC			
		Climate Zone	5 and Marine 4		5, 6 and Marine 4		5 and Marine 4		5 and Marine 4		6	
Guide Assembly #		Classification	All Other	Group R	All Other	Group R	All Other	Group R	All Other	Group R	All Other	Group R
5	Interior Insulated CMU	Mass	Interior: R-13 + R-6ci, or R-13 + R-10ci ⁽¹⁾	Interior: R-13 + R-6ci, or R-13 + R-10ci ⁽¹⁾	R-9.5ci ⁽²⁾	R-13.3ci ⁽²⁾	R-11.4ci	R-13.3ci	R-11.4ci	R-13.3ci	R-13.3ci	R-15.2ci
			<i>U-0.057</i> <i>(R-17.5)</i>	<i>U-0.057</i> <i>(R-17.5)</i>	<i>U-0.104</i> ⁽²⁾ <i>(R-9.6)</i>	<i>U-0.078</i> <i>(R-12.8)</i>	<i>U-0.150</i> ⁽²⁾ <i>(R-6.7)</i>	<i>U-0.090</i> ⁽²⁾ <i>(R-11.1)</i>	<i>U-0.078</i> <i>(R-12.8)</i>	<i>U-0.078</i> <i>(R-12.8)</i>	<i>U-0.078</i> <i>(R-12.8)</i>	<i>U-0.071</i> <i>(R-14.1)</i>

⁽¹⁾ When using interior insulation: R-13 + R-6 ci for wood studs or R-13 + R-10 ci for metal stud; when using exterior insulation: R-16 ci

⁽²⁾ Exception: integrally insulated concrete block complying with ASTM C90 with all cores filled, with at least 50% of block cores are filled with vermiculite (or equivalent fill insulation), and enclosing one of the following uses: gymnasium, auditorium, church chapel, arena, kennel, manufacturing plant, indoor swimming pool, pump station, water and wastewater treatment facility, storage facility, warehouse (storage and retail), motor vehicle service facility, mechanical/electrical structures (OEESC only), and restroom/concessions (OEESC only). Under the WSEC, where additional uses not listed (such as office, retail, etc.) are contained within the building, the exterior walls that enclose these areas may not utilize this exception.