

Subp. 2. Table 5.5-6. ASHRAE Standard 90.1, Table 5.5-6, Building Envelope Requirements for the Southern Minnesota Climate Zone is amended to read:

**TABLE 5.5-6 Building Envelope Requirements For Southern Minnesota Climate Zone (Zone 6)**

Opaque Elements	Nonresidential		Residential		Semiheated	
	Assembly Max.	Insulation Min. R-Value	Assembly Max.	Insulation Min. R-Value	Assembly Max.	Insulation Min. R-Value
<b>Roofs, Insulation</b>						
Entirely Above Deck	U-0.043	R-23.0 ci	U-0.043	R-23.0 ci	U-0.06	R-16.6 ci
Metal Building	U-0.043	R-30.0	U-0.043	R-30.0	U-0.06	R-19.0
Attic and Other	U-0.027	R-30.0	U-0.027	R-30.0	U-0.06	R-19.0
<b>Walls, Above Grade</b>						
Mass	U-0.104	R-9.5 ci	U-0.09	R-11.4 ci	U-0.58	NR
Metal Building	U-0.113	R-13.0	U-0.057	R-13.0 + R-13.0	U-0.113	R-13.0
Steel Framed	U-0.084	R-13.0 ci + R-3.8 ci	U-0.064	R-13.0 + R-7.5 ci	U-0.124	R-13.0
Wood Framed and Other	U-0.089	R-13.0	U-0.064	R-13.0 + R-3.8 ci	U-0.089	R-13.0
<b>Wall, Below Grade</b>						
Below-Grade Wall	C-0.085	R-10.0 ci	C-0.085	R-10.0 ci	C-0.085	R-10.0 ci
<b>Floors</b>						
Mass	U-0.087	R-8.3 ci	U-0.064	R-12.5 ci	U-0.322	NR
Steel Joist	U-0.038	R-30.0	U-0.038	R-30.0	U-0.069	R-13.0
Wood Framed and Other	U-0.033	R-30.0	U-0.033	R-30.0	U-0.066	R-13.0
<b>Slab-On-Grade Floors</b>						
Unheated	F-0.520	R-10.0 to footing*	F-0.520	R-10.0 to footing*	F-0.520	R-10.0 to footing*
Heated	F-0.520	R-10.0 to footing*	F-0.520	R-10.0 to footing*	F-0.520	R-10.0 to footing*
<b>Opaque Doors</b>						
Swinging	U-0.700		U-0.500		U-0.700	
Non-swinging	U-0.500		U-0.500		U-1.450	