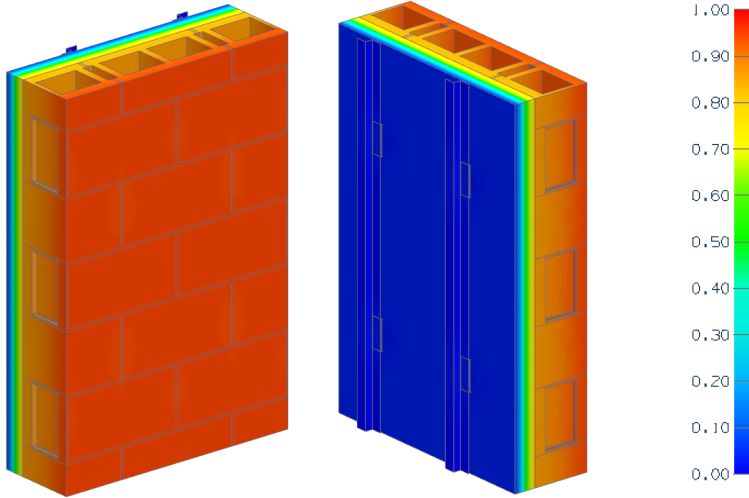


Detail 7.1.23

Exterior Insulated Concrete Block Wall Assembly with Mineral Wool and ACS-S Thermal Clip (16" o.c. Horizontal) Supporting Metal Cladding - Clear Wall



View from Interior View from Exterior

Thermal Performance Indicators

Assembly 1D (Nominal) R-Value	R_{1D}	R-2.87 (0.51 RSI) + exterior insulation
Transmittance / Resistance	U_o , R_o	"Clear wall" U- and R-value

Nominal (1D) vs. Assembly Performance Indicators

Exterior Insulation 1D R-value (RSI)	R_{1D} ft ² ·hr·°F / Btu (m ² K / W)	24" Vertical Spacing		36" Vertical Spacing		48" Vertical Spacing	
		R_o ft ² ·hr·°F / Btu (m ² K / W)	U_o Btu/ft ² ·hr ·°F (W/m ² K)	R_o ft ² ·hr·°F / Btu (m ² K / W)	U_o Btu/ft ² ·hr ·°F (W/m ² K)	R_o ft ² ·hr·°F / Btu (m ² K / W)	U_o Btu/ft ² ·hr ·°F (W/m ² K)
R-12.9 (2.27)	R-15.8 (2.78)	R-14.8 (2.61)	0.068 (0.38)	R-15.0 (2.65)	0.067 (0.38)	R-15.2 (2.67)	0.066 (0.37)
R-17.2 (3.03)	R-20.1 (3.53)	R-18.6 (3.28)*	0.054 (0.31)*	R-19.0 (3.34)*	0.053 (0.30)*	R-19.2 (3.38)*	0.052 (0.30)*
R-21.5 (3.79)	R-24.4 (4.29)	R-22.4 (3.94)	0.045 (0.25)	R-22.9 (4.04)	0.044 (0.25)	R-23.2 (4.09)	0.043 (0.24)
R-25.8 (4.54)	R-28.7 (5.05)	R-26.1 (4.60)	0.038 (0.22)	R-26.9 (4.73)	0.037 (0.21)	R-27.3 (4.80)	0.037 (0.21)
R-30.1 (5.30)	R-33.0 (5.81)	R-29.8 (5.24)	0.034 (0.19)	R-30.7 (5.40)	0.033 (0.19)	R-31.2 (5.49)	0.032 (0.18)
R-34.4 (6.06)	R-37.3 (6.56)	R-33.5 (5.90)	0.030 (0.17)	R-34.6 (6.09)	0.029 (0.16)	R-35.2 (6.20)	0.028 (0.16)

*Indicates interpolated value