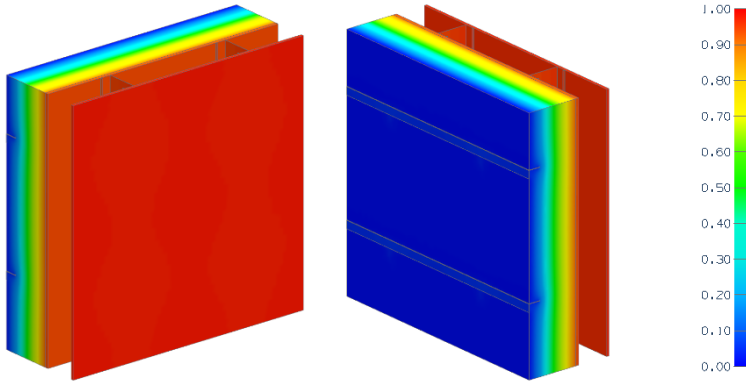


Detail 5.1.101

Exterior Insulated 6" x 1 5/8" Steel Stud (24" o.c.) Wall Assembly with EJOT Crossfix Console and Horizontal Rail System Supporting Metal Cladding - Clear Wall



View from Interior

View from Exterior

Thermal Performance Indicators

Assembly 1D (Nominal) R-Value	R_{1D}	R-3.30 (0.58 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 Clip Spacing		36" Vertical Clip Spacing		48" Vertical Clip 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-8.4 (1.48)	R-11.7 (2.06)	R-10.5 (1.86)	0.095 (0.54)	R-10.9 (1.92)	0.092 (0.52)	R-11.1 (1.95)	0.090 (0.51)
R-12.6 (2.22)	R-15.9 (2.80)	R-14.0 (2.46)	0.074 (0.42)	R-14.6 (2.57)	0.071 (0.40)	R-14.9 (2.62)	0.070 (0.40)
R-14.7 (2.59)	R-18.0 (3.17)	R-15.7 (2.77)	0.064 (0.36)	R-16.4 (2.89)	0.061 (0.35)	R-16.8 (2.96)	0.060 (0.34)
R-21.0 (3.70)	R-24.3 (4.28)	R-21.0 (3.70)	0.048 (0.27)	R-22.0 (3.88)	0.045 (0.26)	R-22.6 (3.97)	0.044 (0.25)
R-27.3 (4.81)	R-30.6 (5.39)	R-26.3 (4.63)	0.040 (0.23)	R-27.6 (4.86)	0.038 (0.22)	R-28.3 (4.98)	0.037 (0.21)
R-35.7 (6.29)	R-39.0 (6.87)	R-33.3 (5.87)	0.030 (0.17)	R-35.0 (6.17)	0.029 (0.16)	R-36.0 (6.33)	0.028 (0.16)
R-42.0 (7.40)	R-45.3 (7.98)	R-38.4 (6.77)	0.026 (0.15)	R-40.5 (7.13)	0.025 (0.14)	R-41.6 (7.32)	0.024 (0.14)
R-48.3 (8.51)	R-51.6 (9.08)	R-43.5 (7.66)	0.023 (0.13)	R-45.9 (8.08)	0.022 (0.13)	R-47.2 (8.31)	0.021 (0.12)
R-54.6 (9.62)	R-57.9 (10.19)	R-48.6 (8.56)	0.021 (0.12)	R-51.3 (9.04)	0.019 (0.11)	R-52.8 (9.30)	0.019 (0.11)
R-60.9 (10.73)	R-64.2 (11.30)	R-53.7 (9.45)	0.019 (0.11)	R-56.8 (10.00)	0.018 (0.10)	R-58.4 (10.29)	0.017 (0.10)
R-67.2 (11.84)	R-70.5 (12.41)	R-58.7 (10.34)	0.017 (0.10)	R-62.2 (10.95)	0.016 (0.09)	R-64.1 (11.28)	0.016 (0.09)