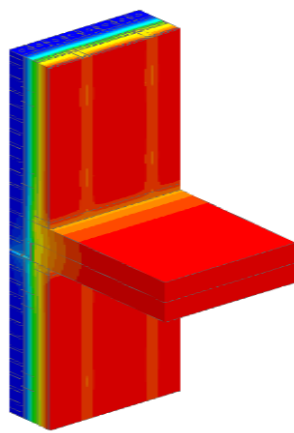
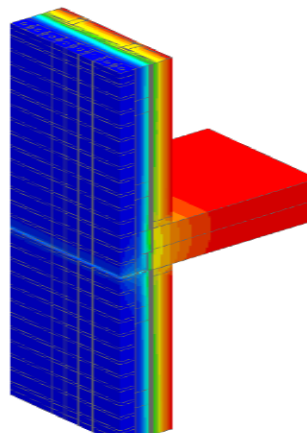


Detail 1

Exterior and Interior Insulated Wall Assembly with Thermally Broken Steel Shelf Angle & Brick Ties Supporting Brick Veneer – Slab Intersection



View from Interior



View from Exterior



Thermal Performance Indicators

Assembly 1D (Nominal) R-Value	R_{1D}	R-15.3 (2.70 RSI) + exterior insulation
Transmittance / Resistance without Anomaly	U_o, R_o	“clear wall” U- and R-value without slab and shelf angle
Transmittance / Resistance ¹	U, R	U- and R-values for overall assembly
Surface Temperature Index	T_i	0 = exterior temperature 1 = interior temperature
Linear Transmittance	ψ	Incremental increase in transmittance per linear length of shelf angle and slab

¹Note, assembly U- and R-values are based on model dimensions (see accompanying data sheet). Overall assembly U- and R-Values for other assembly dimensions can be calculated using the linear transmittance

Scenario

Scenario	Flashing and Shelf Angle
1	Metal Flashing with Steel Shelf Angle and Bolts
2	Self-Adhered Membrane Flashing with Steel Shelf Angle and Bolts

Nominal (1D) vs. Assembly Performance Indicators

Scenario	Exterior Insulation 1D R-Value (RSI)	R_{1D} ft ² ·hr·°F / Btu (m ² K / W)	R_o ft ² ·hr·°F / Btu (m ² K / W)	U_o Btu/ft ² ·hr ·°F (W/m ² K)	R ft ² ·hr·°F / Btu (m ² K / W)	U Btu/ft ² ·hr ·°F (W/m ² K)	ψ Btu/ft hr °F (W/m K)
1	R-15 (2.64)	R-30.3 (5.34)	R-19.8 (3.48)	0.051 (0.29)	R-11.3 (1.98)	0.089 (0.50)	0.237 (0.410)
2	R-15 (2.64)	R-30.3 (5.34)	R-19.8 (3.48)	0.051 (0.29)	R-13.8 (2.43)	0.072 (0.41)	0.135 (0.234)