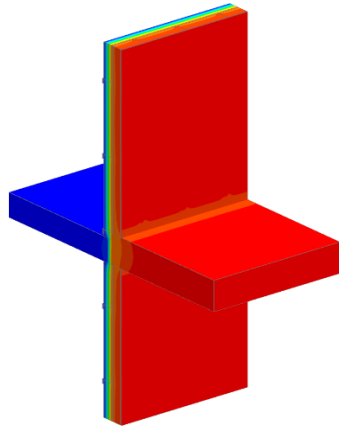
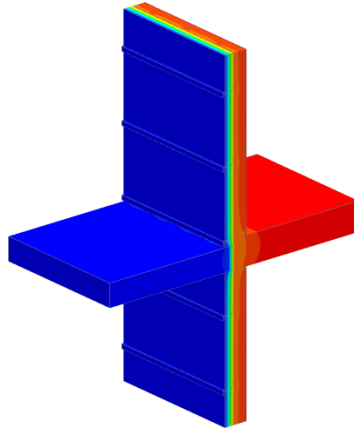


# Armatherm Girt Detail

Exterior Insulated Steel Stud Wall Assembly with Armatherm Z-girts Supporting Metal Cladding – Armatherm 500-080 Thermally Broken Slab Projection with Insulated Curb



View from Interior



View from Exterior



## Thermal Performance Indicators

Assembly 1D (Nominal) R-Value	$R_{1D}$	R-3.2 (0.56 RSI) + insulation
Transmittance / Resistance without Anomaly	$U_o, R_o$	“clear field” U- and R-value, without roof anchor
Transmittance / Resistance	$U, R$	U- and R-values for overall assembly
Linear Transmittance	$\psi$	Incremental increase in transmittance per linear length of slab

Modelling shown here is based on ASHRAE 1365-RP. For more information on procedures and limitations, please refer to that report.

## Nominal (1D) vs. Assembly Performance Indicators

### Base Assembly

Exterior Insulation 1D R-Value (RSI)	$R_{1D}$ ft <sup>2</sup> ·hr·°F / Btu (m <sup>2</sup> K / W)	$R_o$ ft <sup>2</sup> ·hr·°F / Btu (m <sup>2</sup> K / W)	$U_o$ Btu/ft <sup>2</sup> ·hr ·°F (W/m <sup>2</sup> K)
R-14.7 (2.59)	R-17.9 (3.15)	R-17.3 (3.050)	0.058 (0.33)

### Slab Linear Transmittance

$R$ ft <sup>2</sup> ·hr·°F / Btu (m <sup>2</sup> K / W)	$U$ Btu/ft <sup>2</sup> ·hr ·°F (W/m <sup>2</sup> K)	$\psi$ Btu/ft hr °F (W/m K)
R-14.6 (2.57)	0.068 (0.39)	0.107 (0.185)