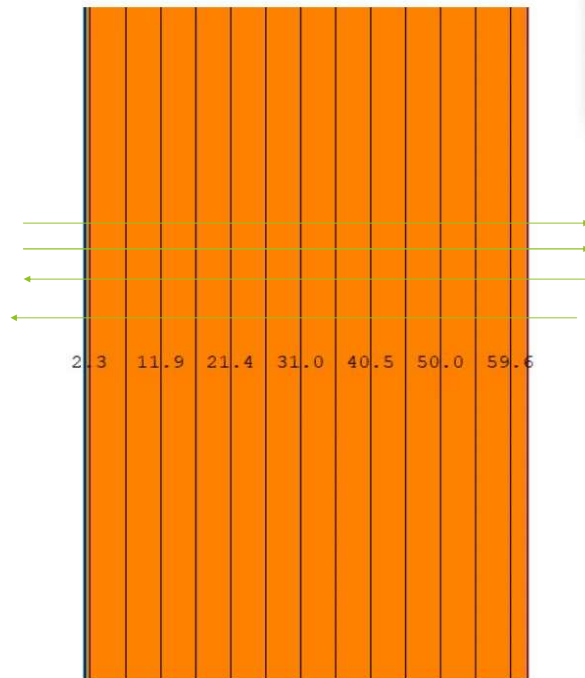




EcoSmart[™]
CONSTRUCTION STUD

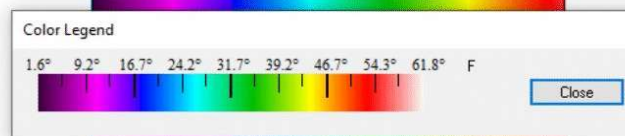
2x6 Standard Wood Stud
Isotherm / Heat Flow Plot

Thermal
Bridging



R-6 Solid 2x6 Exterior Wall Wood Stud

Computer Model Temperatures
Exterior Air temp -0.4°F, Indoor air temp 69.8°F



1.6°

61.8°

Interior Cooler

Cold Penetrates
Much Farther into
Stud



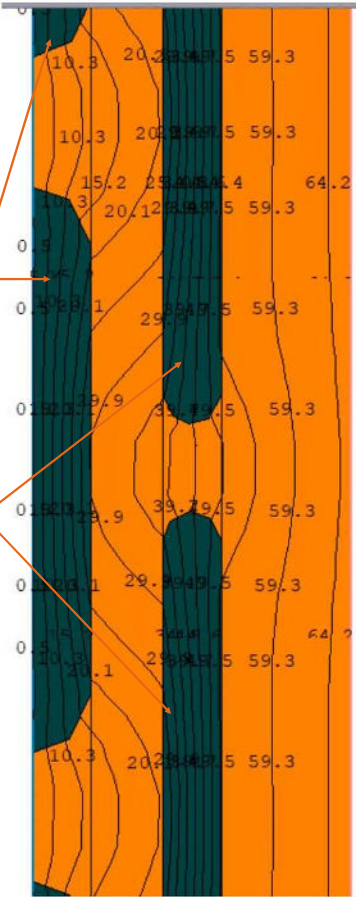
2x6 Stud (Exterior Notches) & Internal Grooves1

Isotherm / Heat Flow Plot

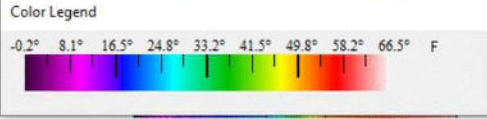
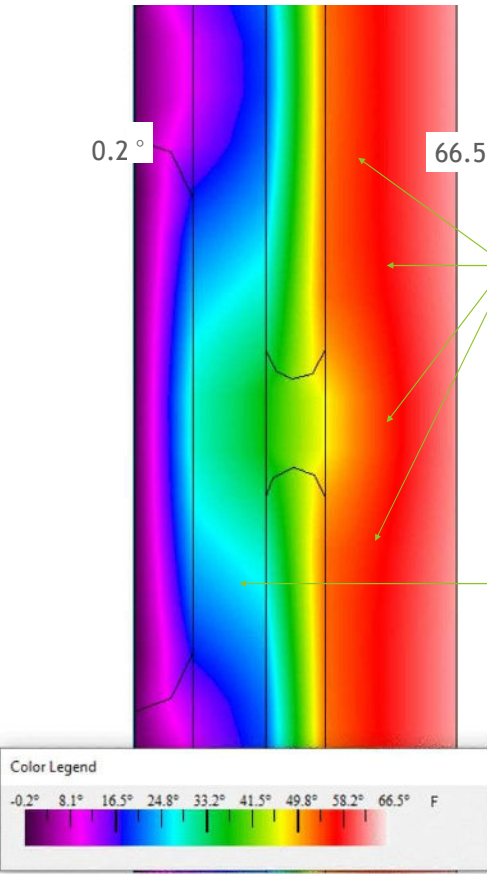
Outside

Thermal Break #1
SPF Insulation ¾" R-5.6

Thermal Break #2
SPF Insulation 1" R-7.5



Computer Model Temperatures
Exterior Air temp -0.4°F, Indoor air temp 69.8°F



R-14 2x6 EcoSmart™ Field Stud



EcoSmart™
CONSTRUCTION STUD

2x8 Stud (Exterior Notches & Two Sets

Isotherm / Heat Flow Plot

Outside

Thermal Break #1

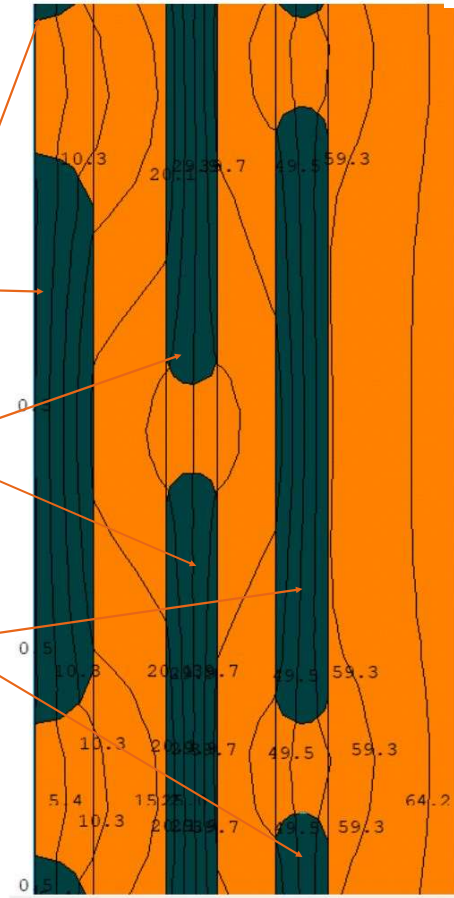
SPF Insulation ¾" R-5.6

Thermal Break #2

SPF Insulation 1" R-7.5

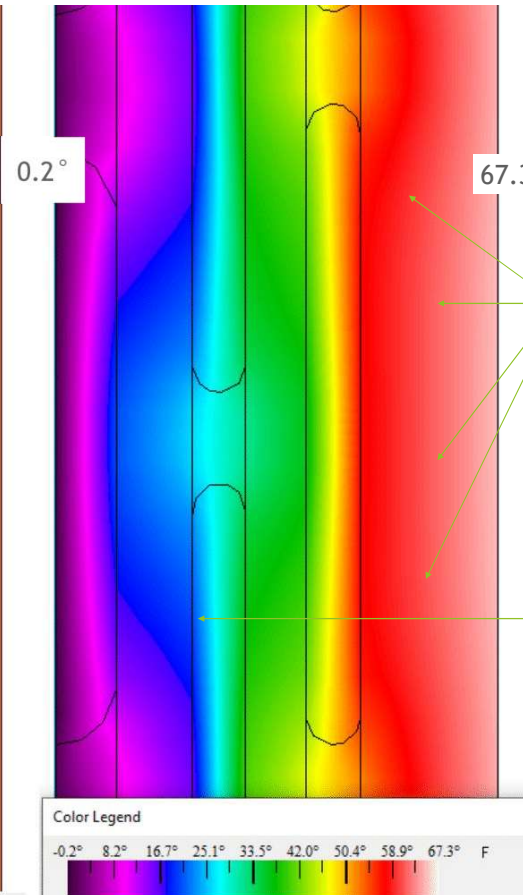
Thermal Break #3

SPF Insulation 1" R-7.5



Computer Model Temperatures

Exterior Air temp -0.4°F, Indoor air temp 69.8°F



Interior of
EcoSmart™ Stud
Stays Warmer

Cold Penetration
Minimized

R-20 2x8 EcoSmart™ Field Stud