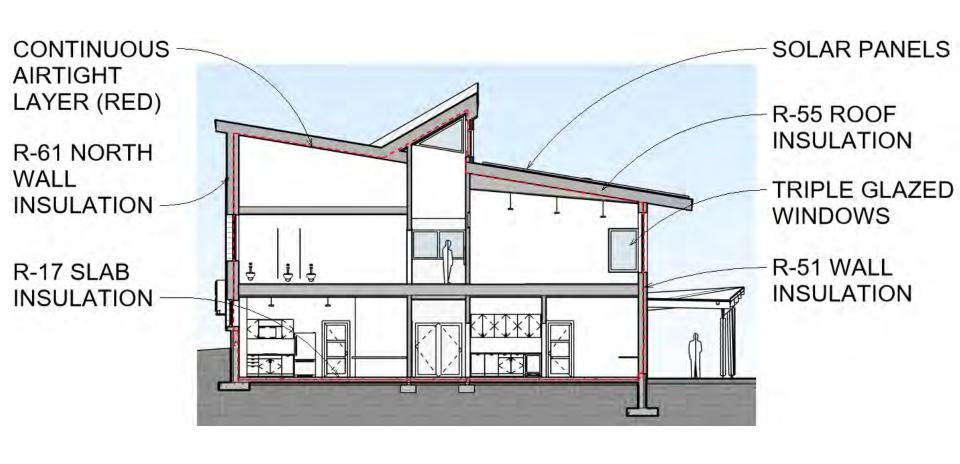
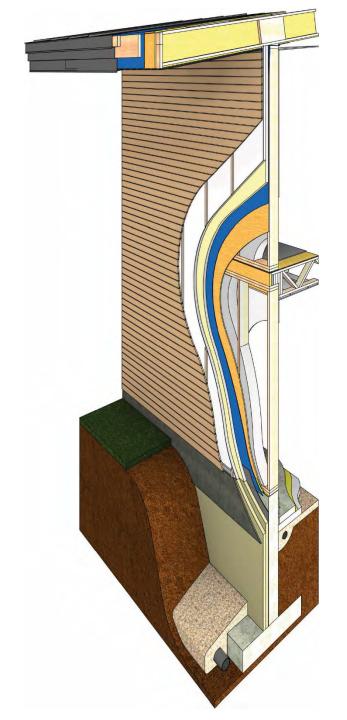
### MAINE COAST WALDORF HIGH SCHOOL

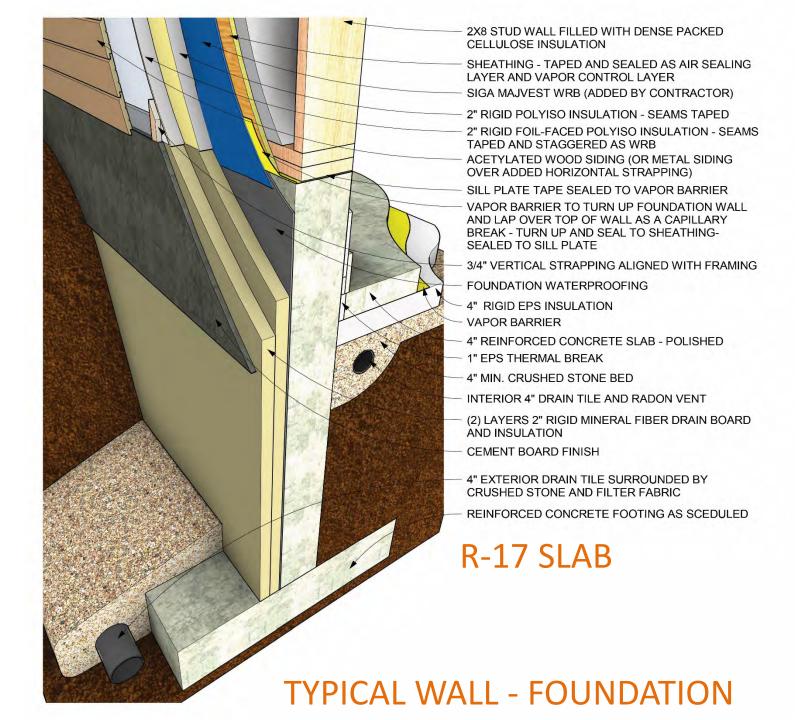
#### **BUILDING ENVELOPE**

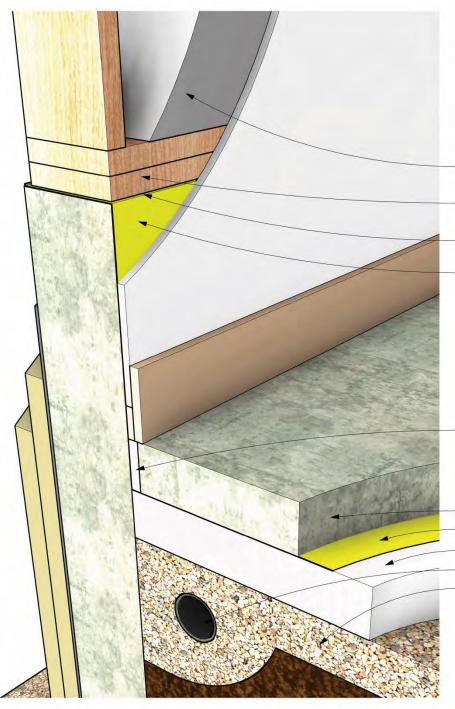


## SOUTH, EAST & WEST WALLS (R-51)

- Siding
- © ¾" strapping
- © 2" foil faced rigid insulation (taped)
- © 2" rigid insulation
- weather barrier(majvest by siga)
- Sheathing
- ② 2x8 wood stud, Fill cavity with dense-packed cellulose
- © 5/8" gwb







### R-51 WALL

2X8 STUD WALL FILLED WITH DENSE PACKED CELLULOSE INSULATION

SILL PLATE TAPE SEALED TO CAPILLARY BREAK/VAPOR BARRIER

SILL SEAL GASKET - TAPED AND SEALED TO VAPOR BARRIER

VAPOR BARRIER TO TURN UP FOUNDATION WALL AND LAP OVER TOP OF WALL AS A CAPILLARY BREAK - TURN UP AND SEAL TO SHEATHING-SEALED TO SILL PLATE

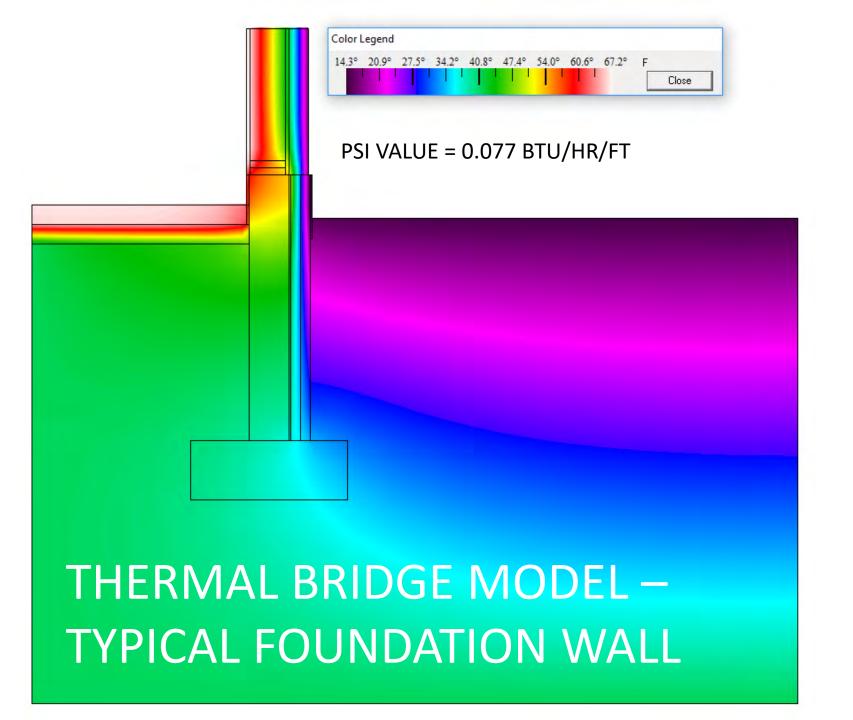
1" EPS THERMAL BREAK

4" REINFORCED CONCRETE SLAB - POLISHED VAPOR BARRIER

- 4" TYPE IX RIGID EPS INSULATION
- INTERIOR 4" DRAIN TILE AND RADON VENT

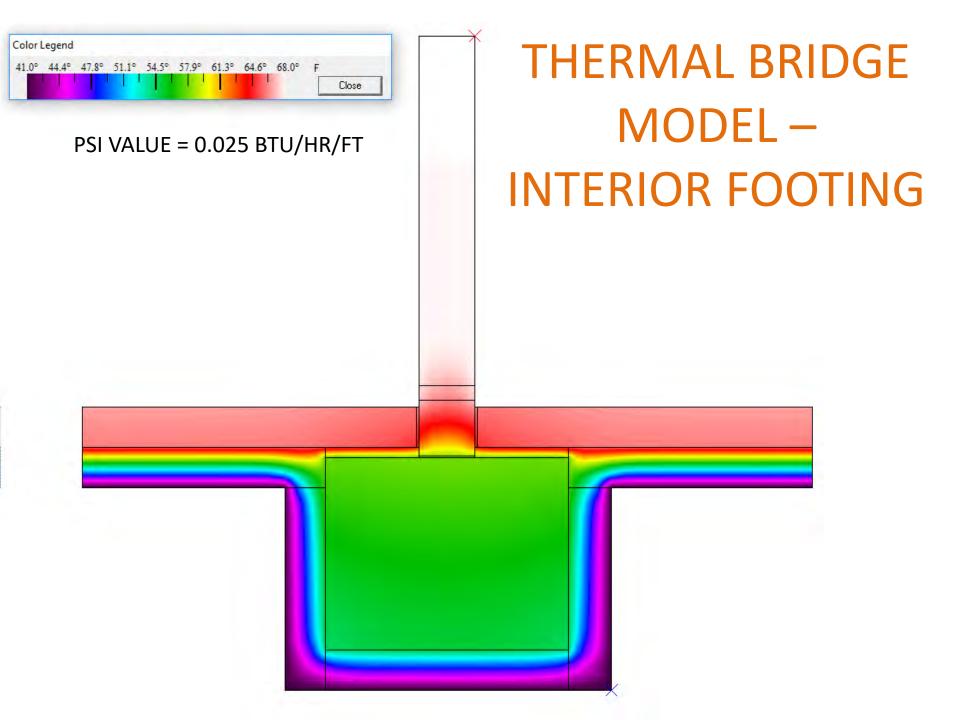
4" MIN. CRUSHED STONE BED

# TYPICAL WALL - FOUNDATION



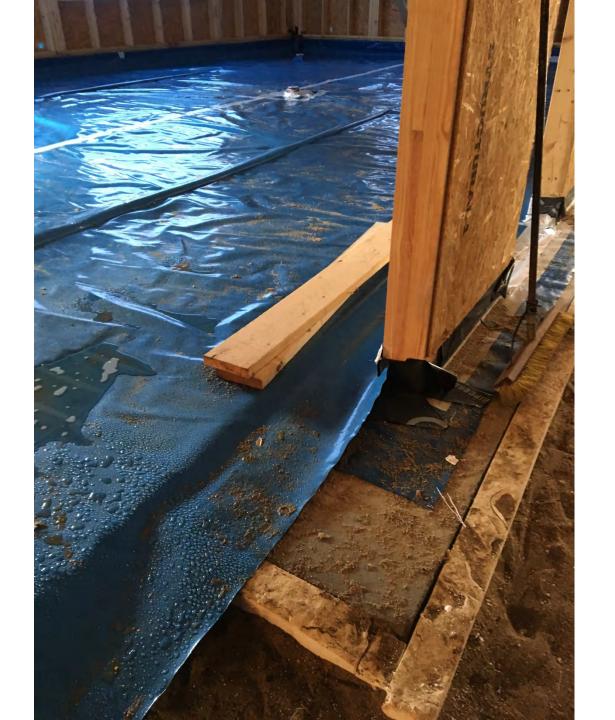




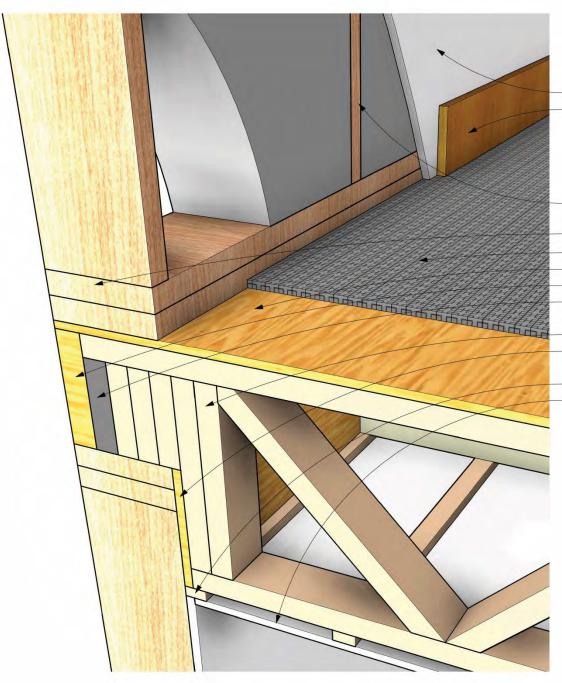












### R-51 WALL

GYPSUM WALL BOARDBASE TRIM AS SCHEDULED

 2X8 STUD WALL FILLED WITH DENSE PACKED CELLULOSE INSULATION

SILL PLATES - SEALED TO DECK

- FLOORING FINISH AS SCHEDULED

- 3/4" FLOOR SHEATHING

1 3/4" X 7 1/4" LVL RIM JOIST

- CAVITIES BETWEEN AND AROUND JOISTS FILLED WITH DENSE PACKED CELLULOSE

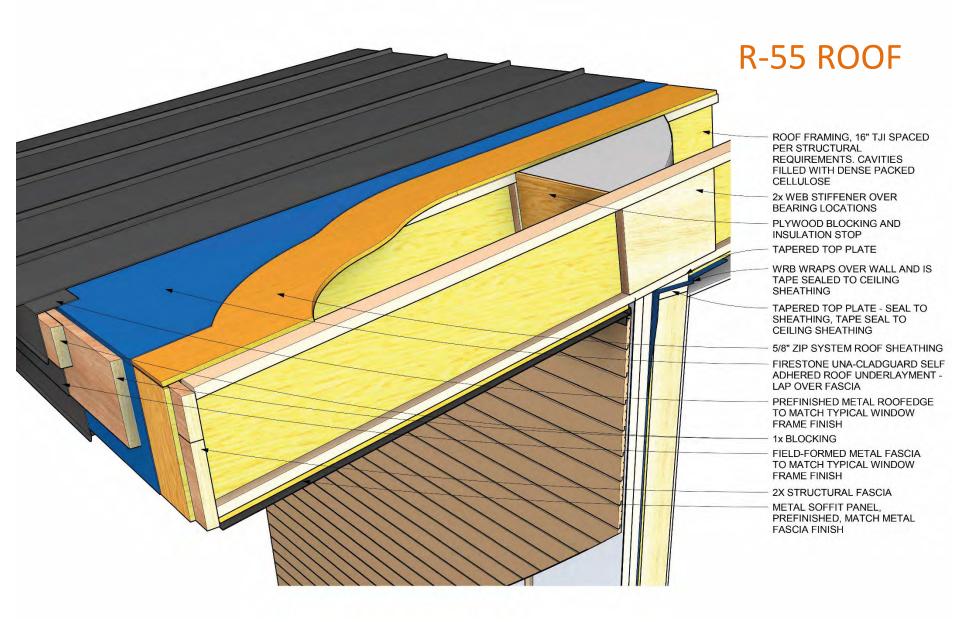
TOP BEARING OPEN WEB WOOD JOISTS

FIELD APPLIED SHEATHING TO CONTAIN CELLULOSE AT TOP OF WALL

3/4" STRAPPING

GYPSUM WALL BOARD FINISHED CEILING

# TYPICAL WALL – AT FLOOR



TYPICAL WALL - ROOF EXTERIOR

### R-55 ROOF 24 GA. PREFINISHED STANDING SEAM METAL ROOF FIRESTONE UNA-CLADGUARD SELF ADHERED ROOF UNDERLAYMENT - LAP OVER FASCIA 5/8" ZIP SYSTEM ROOF SHEATHING PLYWOOD BLOCKING AND INSULATION STOP ROOF FRAMING, 16" TJI SPACED PER STRUCTURAL REQUIREMENTS. CAVITIES FILLED WITH DENSE PACKED CELLULOSE 2x WEB STIFFENER OVER BEARING LOCATIONS TAPERED TOP PLATE WRB WRAPS OVER WALL AND IS TAPE SEALED TO CEILING SHEATHING

TYPICAL WALL - ROOF INTERIOR













