



PechaKucha

Indoor airPLUS Advocate

**Karla Butterfield
Steven Winter Associates, Inc.**







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01/01/2007

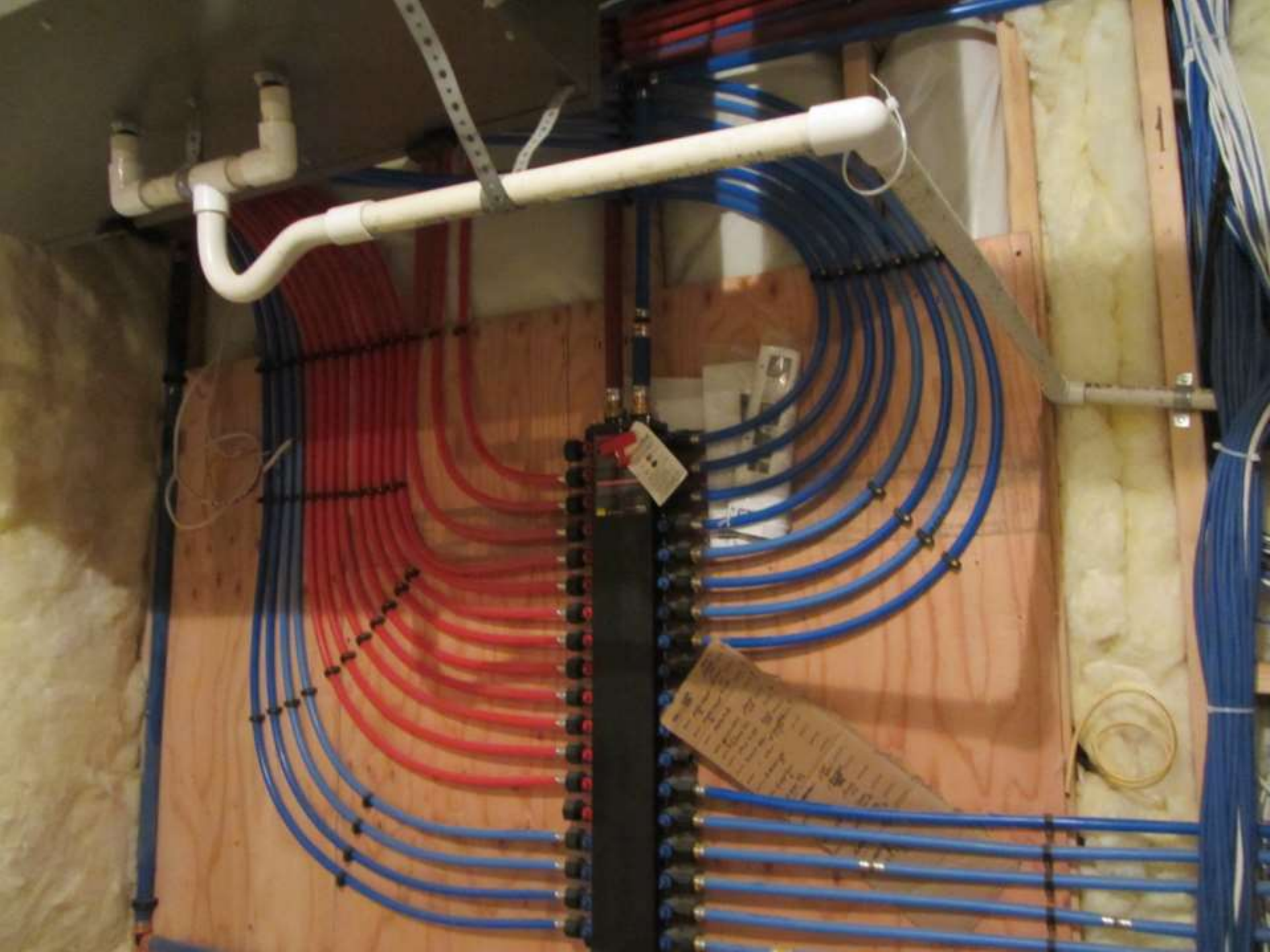


1.5

Front View

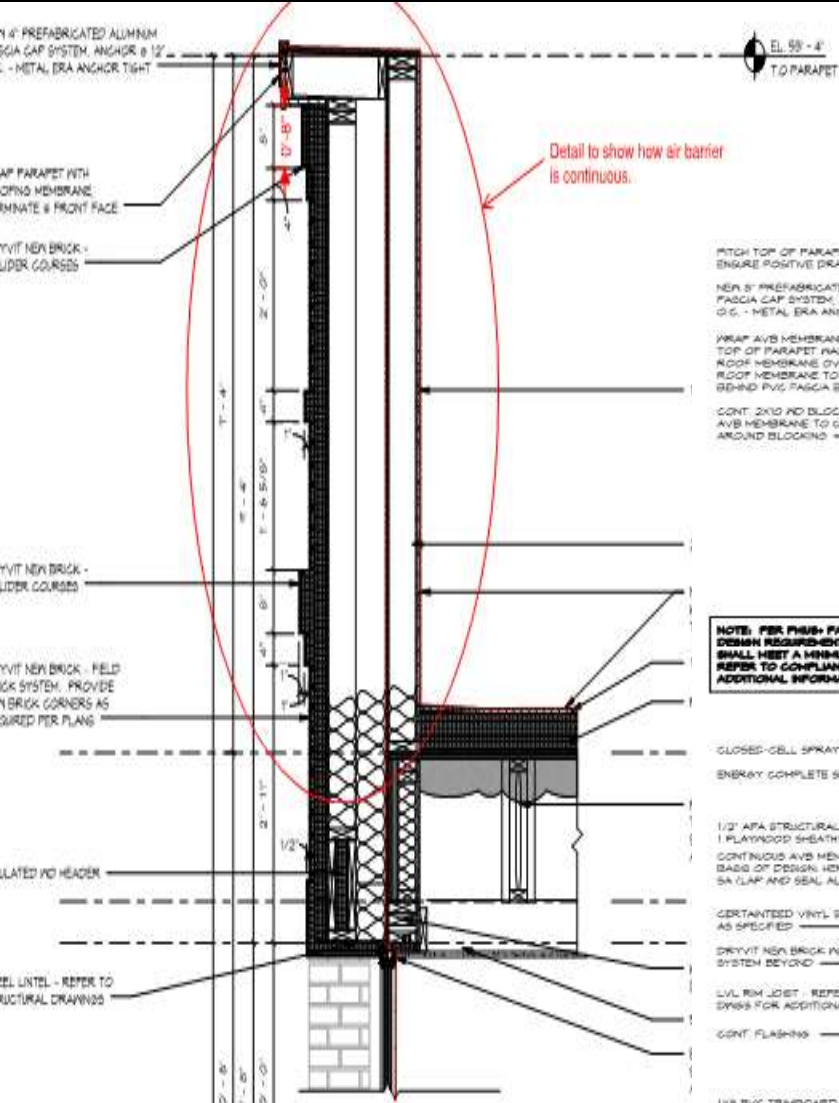
Back View

Technical specifications and safety information label.









NOTE: PER PHUS+ PASSIVE HOUSE DESIGN REQUIREMENTS ROOF R-VALUE SHALL MEET A MINIMUM OF R-40. REFER TO COMPLIANCE REPORT FOR ADDITIONAL INFORMATION

PITCH TOP OF PARAPET TO ENSURE POSITIVE DRAINAGE

NEAR 3" PREFABRICATED ALUMINUM FASCIA CAP SYSTEM, ANCHOR @ 12" O.C. - METAL ERA ANCHOR TIGHT

WRAP AVB MEMBRANE OVER TOP OF PARAPET WALL AND LAP ROOF MEMBRANE OVER TOP ROOF MEMBRANE TO WRAP TO BEHIND PVC FASCIA BOARD

CONT. 2X10 WD BLOCKING, AVB MEMBRANE TO CONTINUE AROUND BLOCKING

NOTE: PER PHUS+ PASSIVE HOUSE DESIGN REQUIREMENTS ROOF R-VALUE SHALL MEET A MINIMUM OF R-40. REFER TO COMPLIANCE REPORT FOR ADDITIONAL INFORMATION

CLOSED-CELL SPRAY FOAM

ENERGY COMPLETE SEALANT

1/2" APA STRUCTURAL 1 RATED EXP. 1 PLAYWOOD SHEATHING

CONTINUOUS AVB MEMBRANE, BASIS OF DESIGN: HENRY BLUESKIN SA (LAP AND SEAL ALL JOINTS)

CERTANTEED VINYL SIDING AS SPECIFIED

DRYVIT NER BRICK WALL SYSTEM BEYOND

LVL RIM JOIST - REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION

CONT. FLASHING

1/4" PVC TRIM BOARD

WRAP AVB MEMBRANE OVER TOP OF PARAPET WALL AND LAP ROOF MEMBRANE OVER TOP ROOF MEMBRANE TO WRAP TO BEHIND PVC FASCIA BOARD

CONT. 2X10 WD BLOCKING, AVB MEMBRANE TO CONTINUE AROUND BLOCKING

1/2" APA STRUCTURAL 1 RATED EXP. 1 PLAYWOOD SHEATHING

CONTINUOUS AVB MEMBRANE, BASIS OF DESIGN: HENRY BLUESKIN SA (LAP AND SEAL ALL JOINTS)

EL. 49'-0" T.O. PARAPET DEL. STUD

1/2" DENSILAS SHEATHING

2X6 PD. STUD FRAMING @ 16" O.C. MAX

CANT STRIP, AS REQUIRED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS

PVC ROOFING MEMBRANE, INSTALL PER MANUFACTURER'S RECOMMENDATIONS

1/2" ROOF PROTECTION BOARD

4" XPS INSULATION BOARD (R-20)

CONTINUOUS OVER PLYWOOD ROOF DECK

5/8" APA STRUCTURAL 1 EXP. 1 PLYWOOD ROOF DECK

EL. 48'-0" T.O. ROOF PLYWD

CLOSED CELL SPRAY FOAM TO ACHIEVE MIN R-20

18" PREFABRICATED FLOOR TRUSS @ 24" O.C. MAX. - REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION

HOLDINGS PER STRUCTURAL DWGS

SEAL ALL GAPS AND FILL OPEN CAVITIES WITH CLOSED CELL SPRAY FOAM

1" RIGID INSULATION (R-8) & HEADER

DROPPED CEILING GRID SYSTEM SUPPORTED BY WALL ANGLES & SPLATED WIRING HANGERS FROM THE CORRELATOR WALLS

5/8" GIBB CEILING

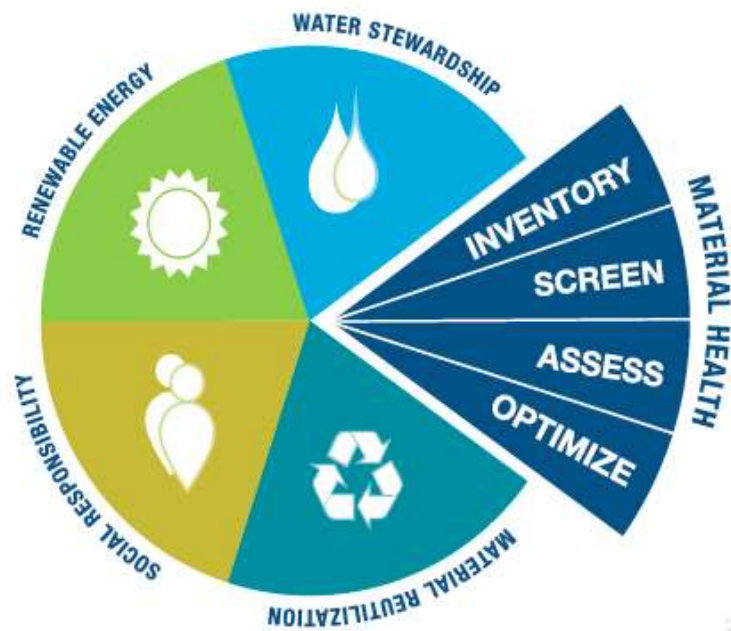


10/21/2014





↑
Control A/C



Health Product
DECLARATION



Declare.







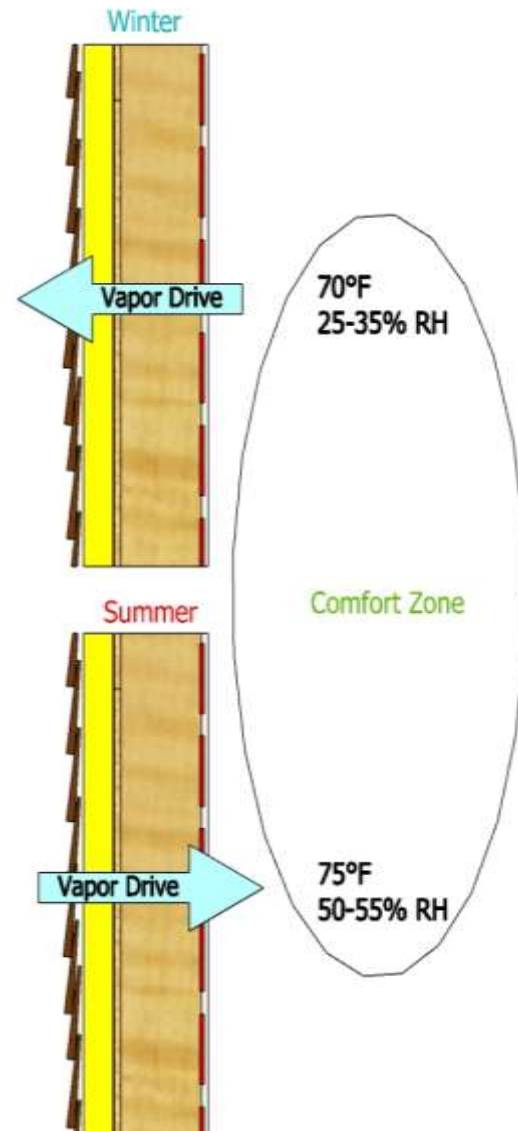


Photos Courtesy Bernstein Associates

Average Daily Temperature Dec/Jan/Feb (T _{outdoor})	Minimum Recommended Exterior RFB R-Value	
	R21 Cavity	R15 Cavity
34	4.0	3.0
32	5.5	4.0
30	7.0	5.0
28	8.5	6.0
26	10.0	7.0



20°F Dry
• 10-15% RH at 70°F



$$T_{\text{interface}} = T_{\text{indoor}} - [(T_{\text{indoor}} - T_{\text{outdoor}}) \times (R_{\text{cavity}} / R_{\text{total}})]$$



THE IMPACT OF GREEN BUILDINGS ON **COGNITIVE FUNCTION**

- 61% higher in green building conditions
- 101% higher in enhanced green building conditions



THE IMPACT OF GREEN BUILDINGS ON **COGNITIVE FUNCTION**

- 26% higher cognitive function scores
- slept better
- reported fewer health symptoms

STUDY 2: BUILDINGOMICS 



