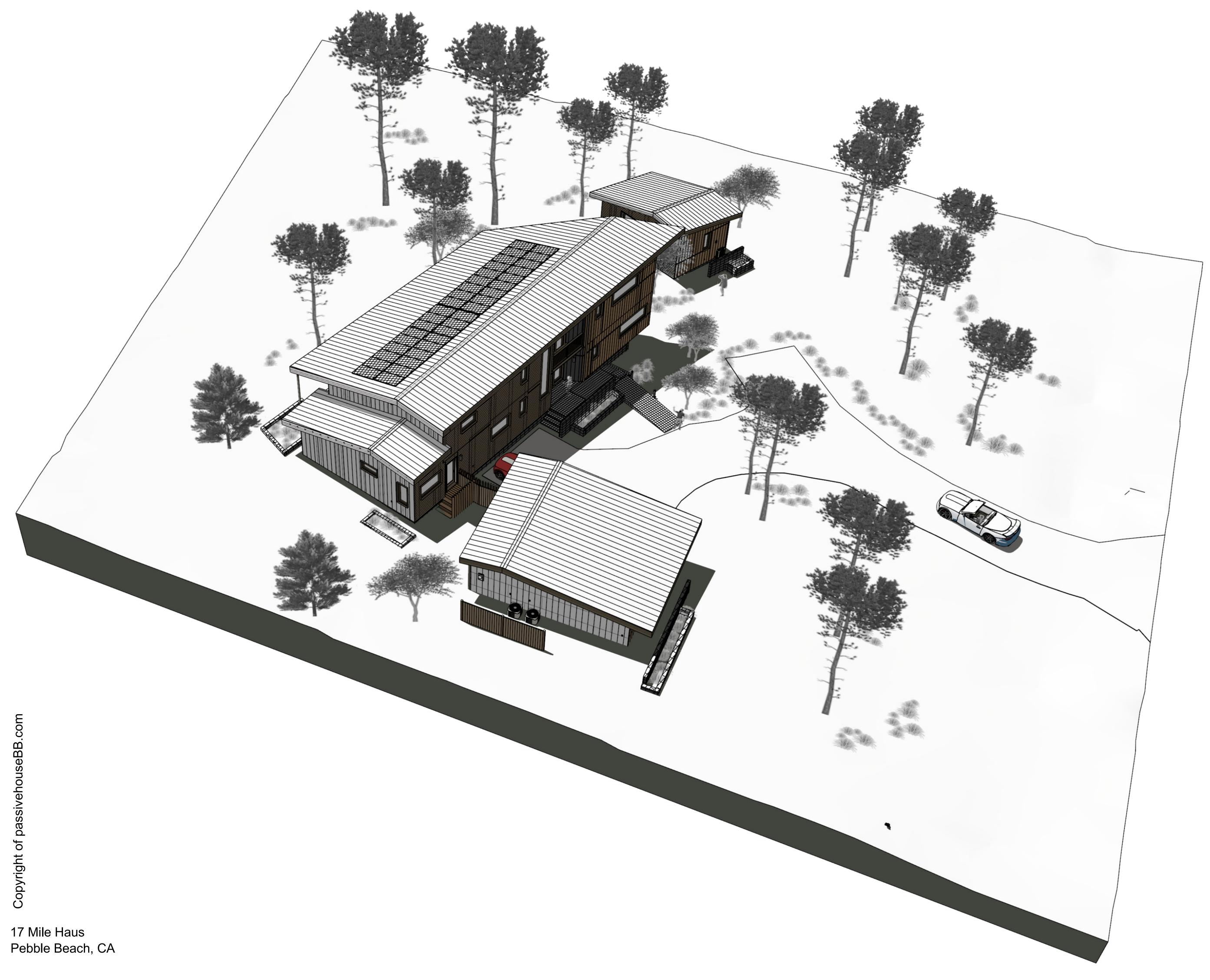


8/21/22



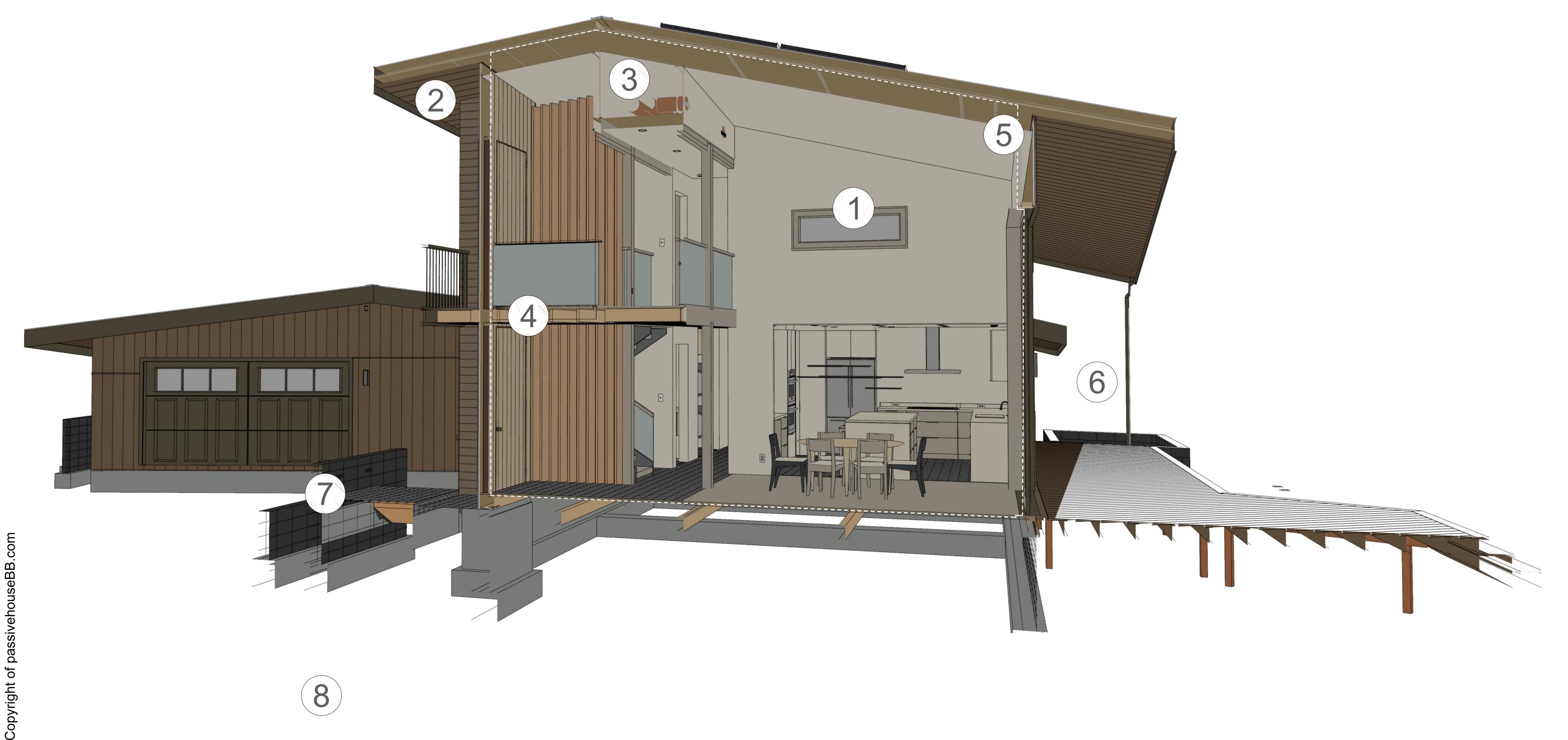






Legend

- Super-Windows & Doors
 Fire Resilient
- 3. Heat Recovery Ventilation
- 4. No Thermal Bridges
 5. Smoke-Tight
- 6. Well Shaded
- 7. Embodied Carbon Calcs
- 8. Passivhaus Certification









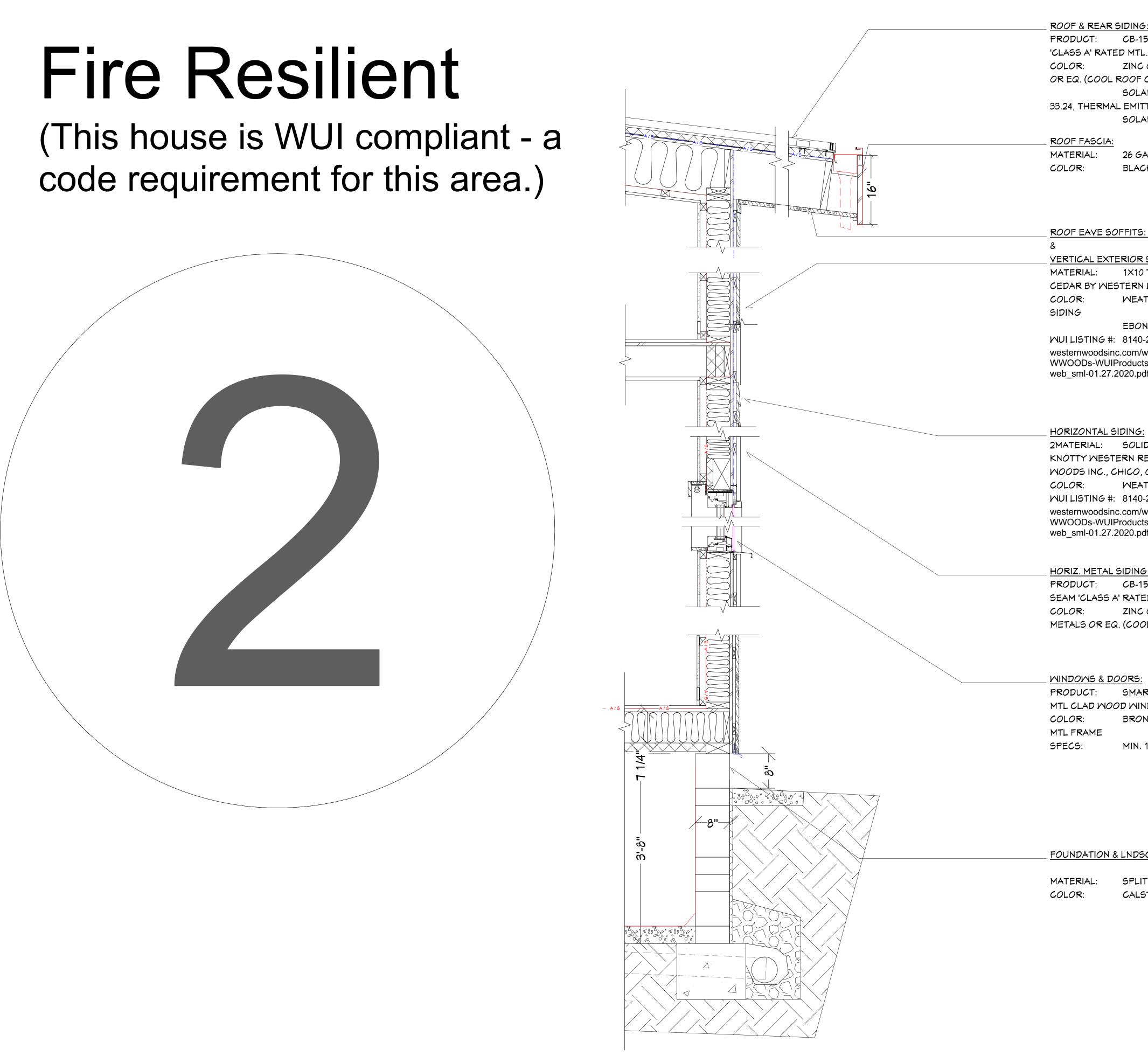
Super-windows & Doors

(These are wood framed, exterior insulated, triple-pane, with great spacers. Made in Kansas.)









2. TYP. SECTION & ASSEMBLIES

Scale: 1" = 1'-0"

ROOF & REAR SIDING:

- PRODUCT: CB-150, 16" WIDE MECHANICAL SEAM 'CLASS A' RATED MTL. ROOF
- ZINC GREY BY CUSTOM BILT METALS OR EQ. (COOL ROOF COMPLIANT)
- SOLAR REFLECTANCE VALUE (SR) = 33.24, THERMAL EMITTANCE VALUE (E) = 0.85,
 - SOLAR RELECTANCE INDEX (SRI) = 34

26 GA METAL BY CUSTOM BILT OR EQ. BLACK - TO MATCH GUTTERS

VERTICAL EXTERIOR SIDING:

1X10 T&G V-GROOVE WESTERN RED CEDAR BY WESTERN WOODS INC., CHICO, OR EQ. WEATHERED SILVER STAIN @ FRONT

EBONY STAIN @ RECESSED ENTRY

WUI LISTING #: 8140-2084:0001 (https:// westernwoodsinc.com/wp-content/uploads/2020/02/ WWOODs-WUIProducts-BLMProducts-d1web_sml-01.27.2020.pdf)

HORIZONTAL SIDING:

2MATERIAL: SOLID SAWN 1X6 LAPPED, KNOTTY WESTERN RED CEDAR BY WESTERN MOODS INC., CHICO, OR EQ. WEATHERED SILVER STAIN MUI LISTING #: 8140-2084:0001 (https:// westernwoodsinc.com/wp-content/uploads/2020/02/ WWOODs-WUIProducts-BLMProducts-d1web_sml-01.27.2020.pdf)

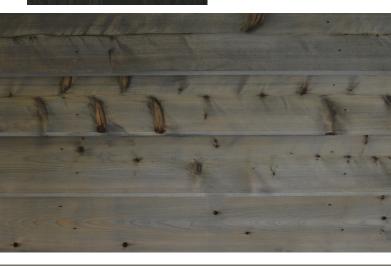
HORIZ. METAL SIDING:

CB-150, 16" WIDE MECHANICAL SEAM 'CLASS A' RATED MTL. HORIZ. SIDING ZINC GREY BY CUSTOM BILT METALS OR EQ. (COOL ROOF COMPLIANT)

WINDOWS & DOORS:

- SMARTININ PRO-PASSIVHAUS MTL CLAD WOOD WINDOWS BRONZE ANODIZED EXTERIOR
 - MIN. 1 PANE TEMPERED





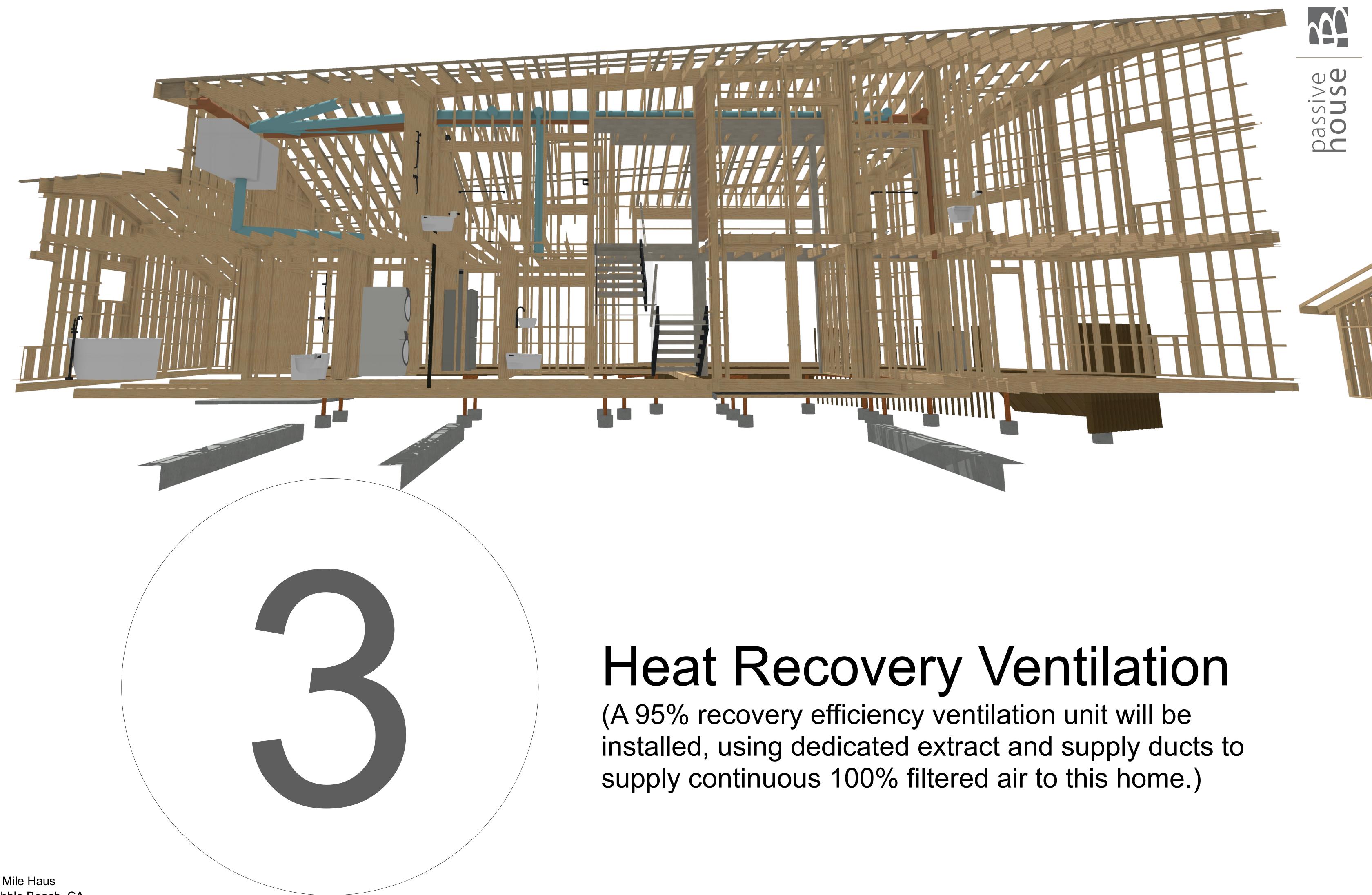




FOUNDATION & LNDSCAPE WALLS:

SPLIT-FACE CONCRETE MASONRY CALSTONE S203 BLACK SPECKLE

1. EXTERIOR MATERIALS PALETTE & SPECS



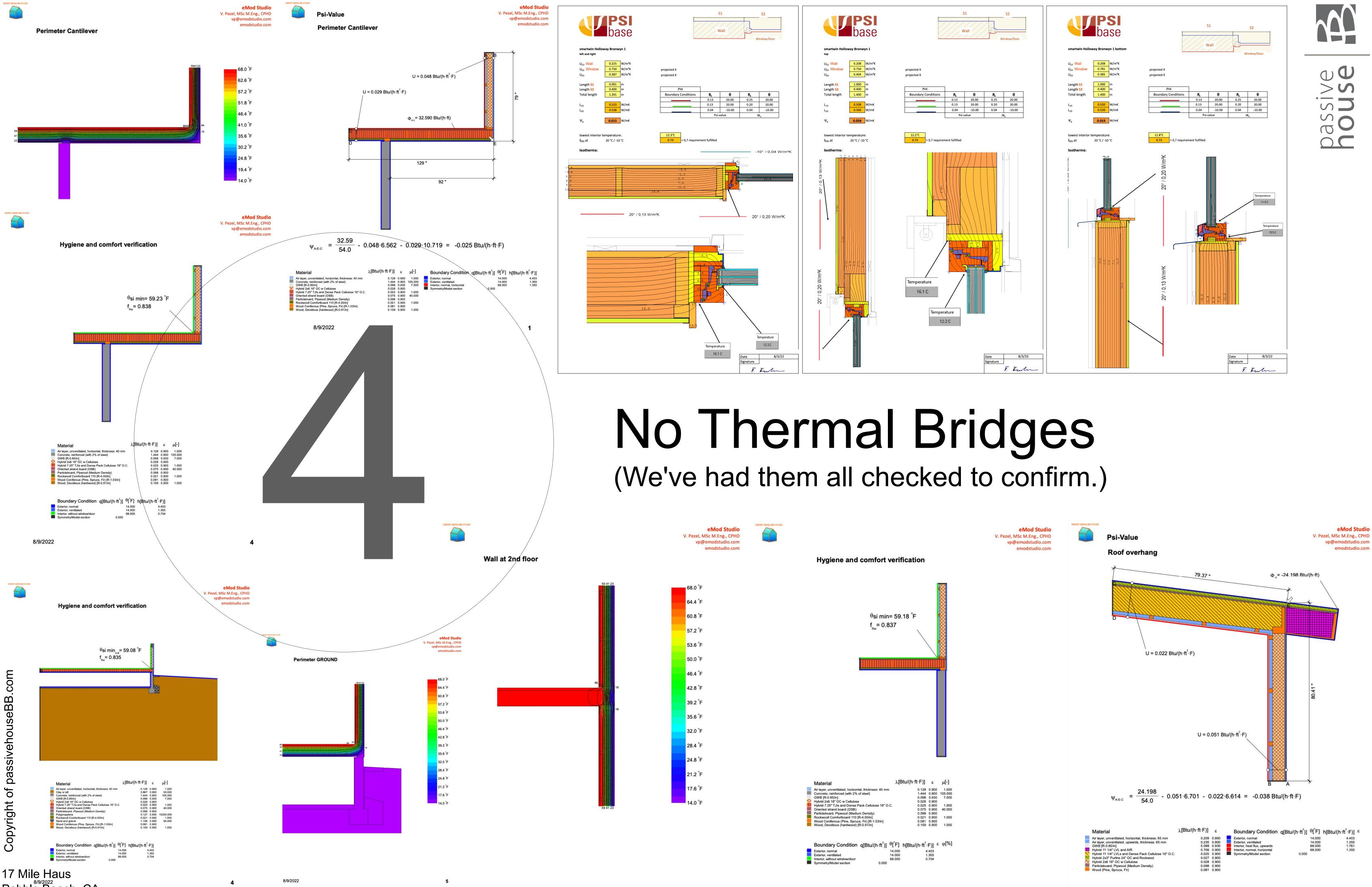
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17 Mile Haus Pebble Beach, CA





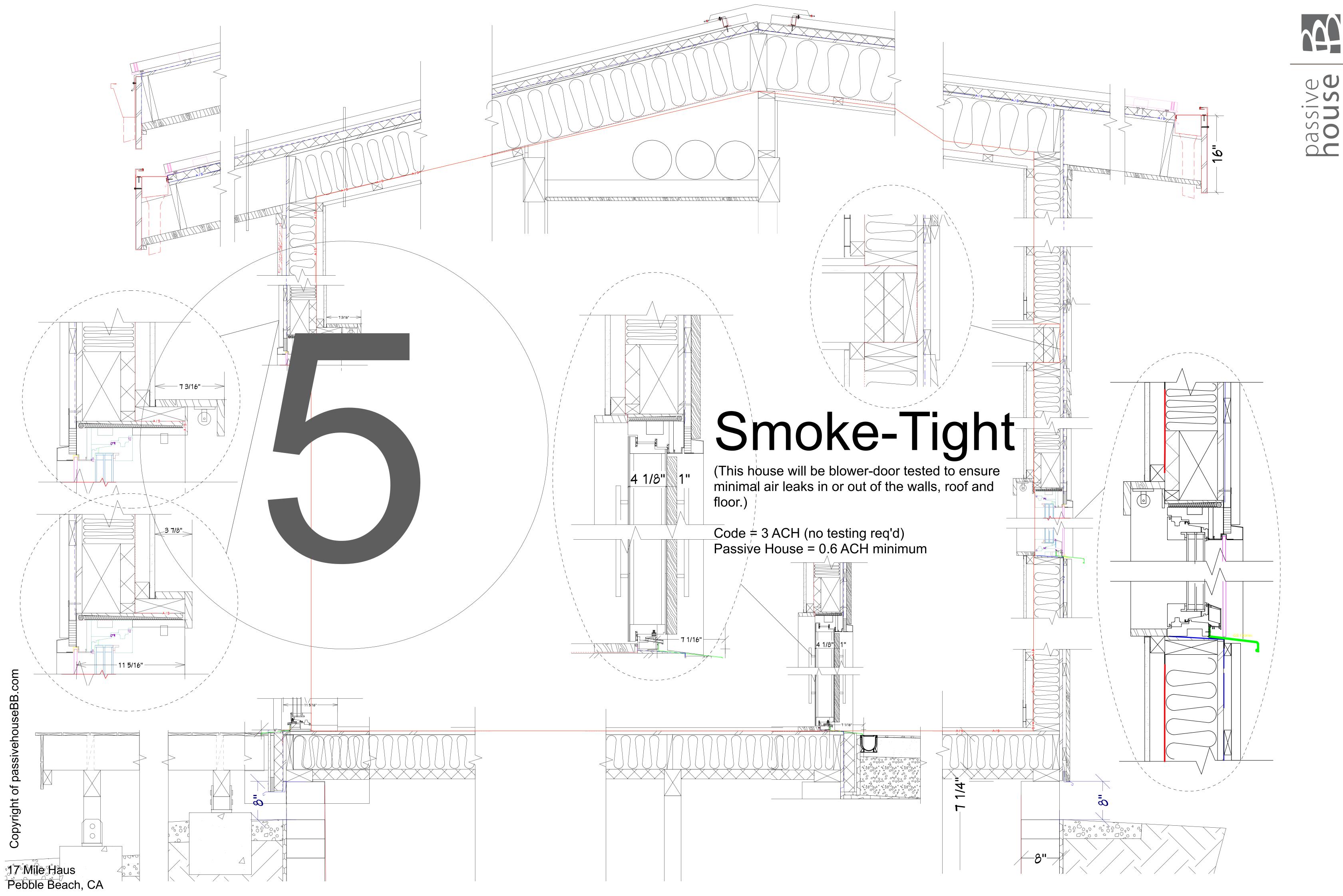
Psi-Value



17 Mile Haus Pebble Beach, CA



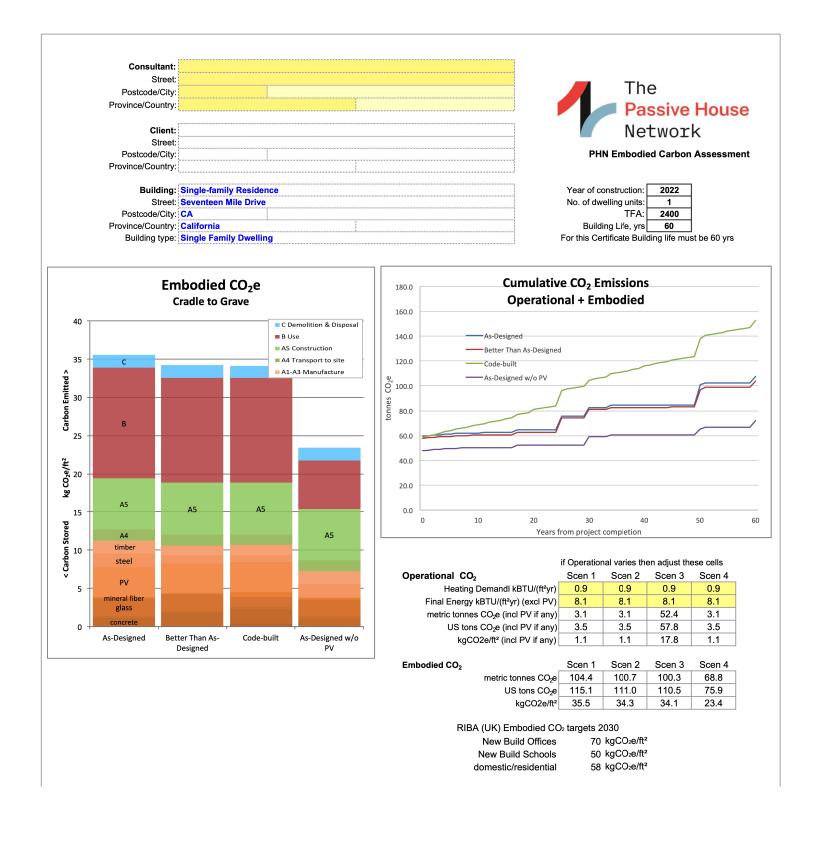
8/16/2022



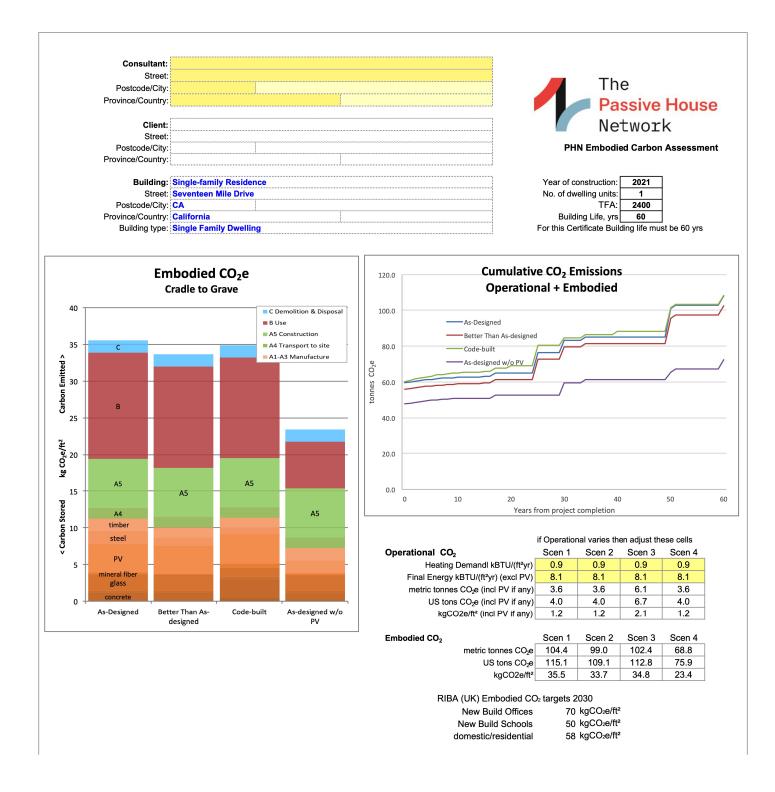








Embodied Carbon Calcs (We've reviewed the impact of our material choices, combined with our operational impact.)



passive **Douse**

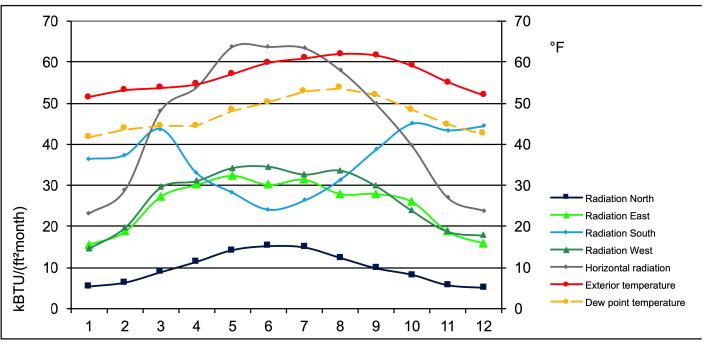
Annual method		
	Annual	method

Heating / cooling period	102
Heating / cooling degree hours	2022
Radiation North	20
Radiation East	57
Radiation South	104
Radiation West	59
Horizontal radiation	93



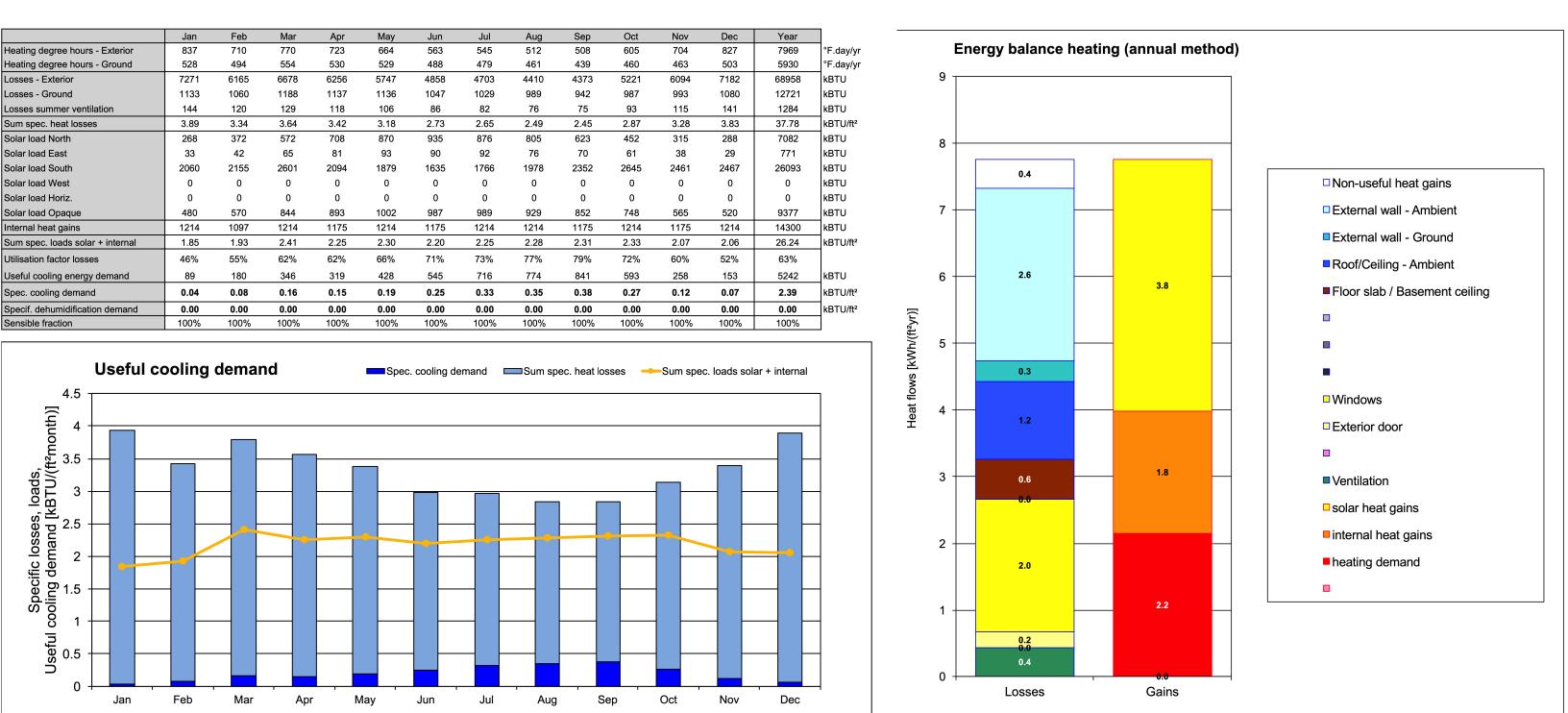
Data for heating Data from monthly balance Heating

Heating	Cooling	
365	365	day/yr
4651	-7969	°F.day/yr
153	153	kBTU/(ft²yr)
214	214	kBTU/(ft²yr)
418	418	kBTU/(ft²yr)
320	320	kBTU/(ft²yr)
543	543	kBTU/(ft²yr)





	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Heating degree hours - Exterior	837	710	770	723	664	563	545	512	508	605	704	827	7969
Heating degree hours - Ground	528	494	554	530	529	488	479	461	439	460	463	503	5930
Losses - Exterior	7271	6165	6678	6256	5747	4858	4703	4410	4373	5221	6094	7182	68958
Losses - Ground	1133	1060	1188	1137	1136	1047	1029	989	942	987	993	1080	12721
Losses summer ventilation	144	120	129	118	106	86	82	76	75	93	115	141	1284
Sum spec. heat losses	3.89	3.34	3.64	3.42	3.18	2.73	2.65	2.49	2.45	2.87	3.28	3.83	37.78
Solar load North	268	372	572	708	870	935	876	805	623	452	315	288	7082
Solar load East	33	42	65	81	93	90	92	76	70	61	38	29	771
Solar load South	2060	2155	2601	2094	1879	1635	1766	1978	2352	2645	2461	2467	26093
Solar load West	0	0	0	0	0	0	0	0	0	0	0	0	0
Solar load Horiz.	0	0	0	0	0	0	0	0	0	0	0	0	0
Solar load Opaque	480	570	844	893	1002	987	989	929	852	748	565	520	9377
Internal heat gains	1214	1097	1214	1175	1214	1175	1214	1214	1175	1214	1175	1214	14300
Sum spec. loads solar + internal	1.85	1.93	2.41	2.25	2.30	2.20	2.25	2.28	2.31	2.33	2.07	2.06	26.24
Utilisation factor losses	46%	55%	62%	62%	66%	71%	73%	77%	79%	72%	60%	52%	63%
Useful cooling energy demand	89	180	346	319	428	545	716	774	841	593	258	153	5242
Spec. cooling demand	0.04	0.08	0.16	0.15	0.19	0.25	0.33	0.35	0.38	0.27	0.12	0.07	2.39
Specif. dehumidification demand	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sensible fraction	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%



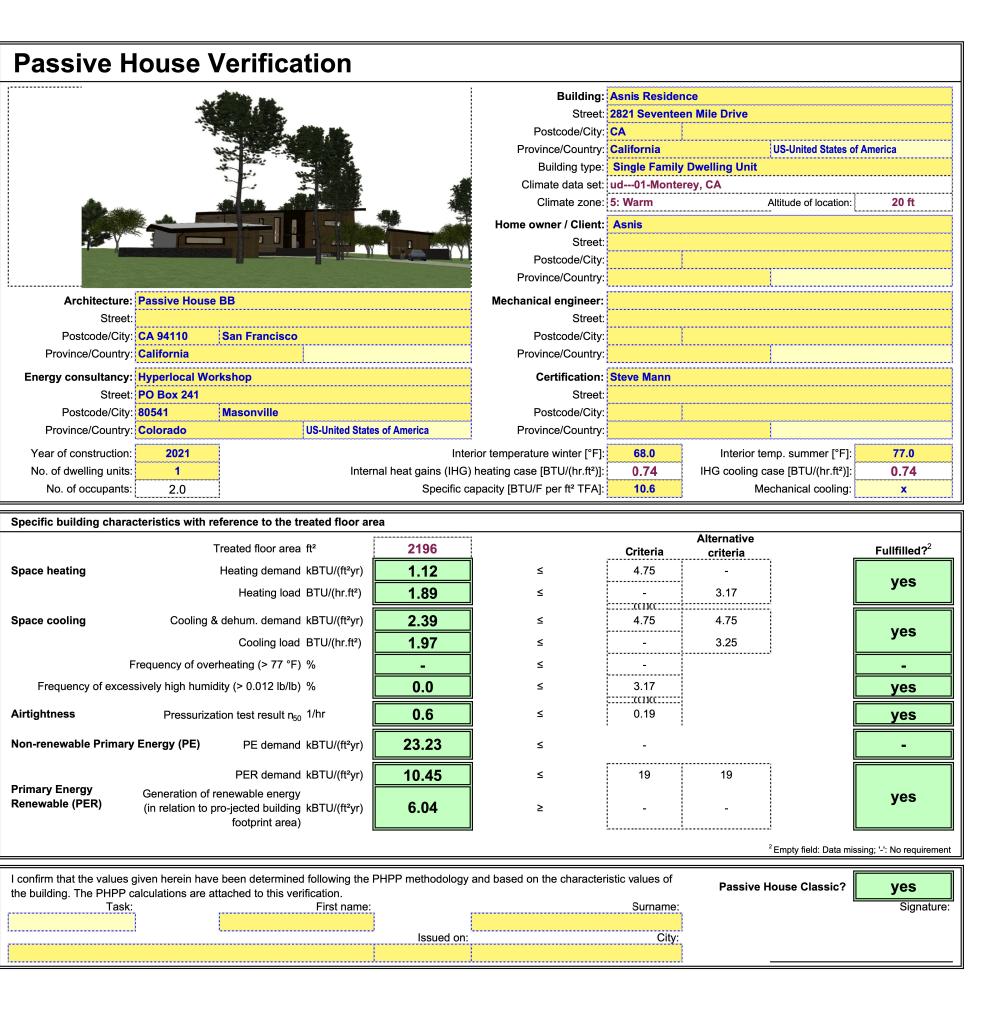
Space heating

Space cooling

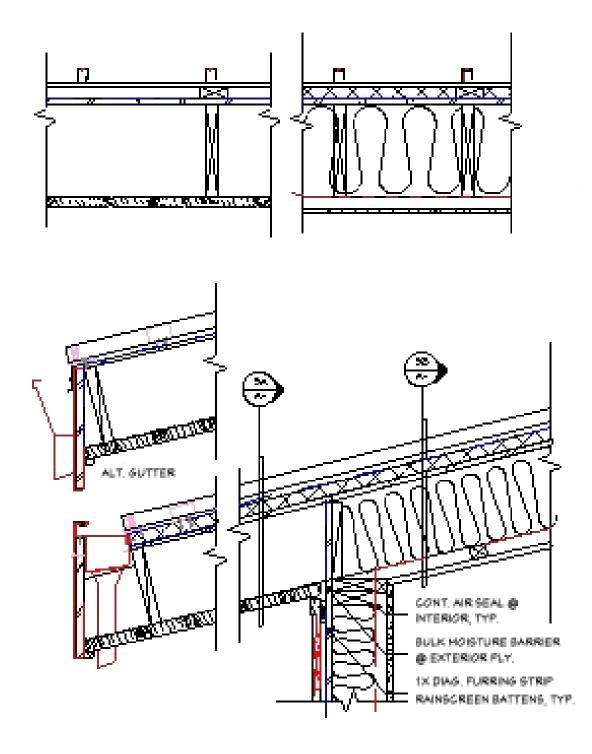
Airtightnes

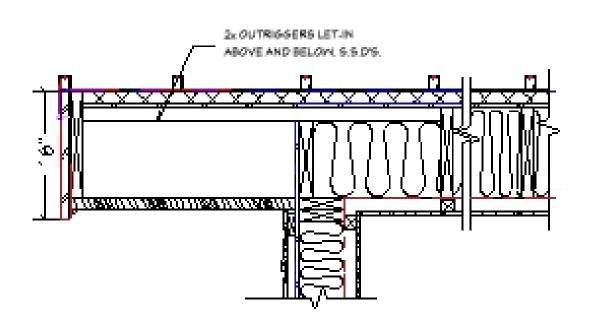
Primary Energy

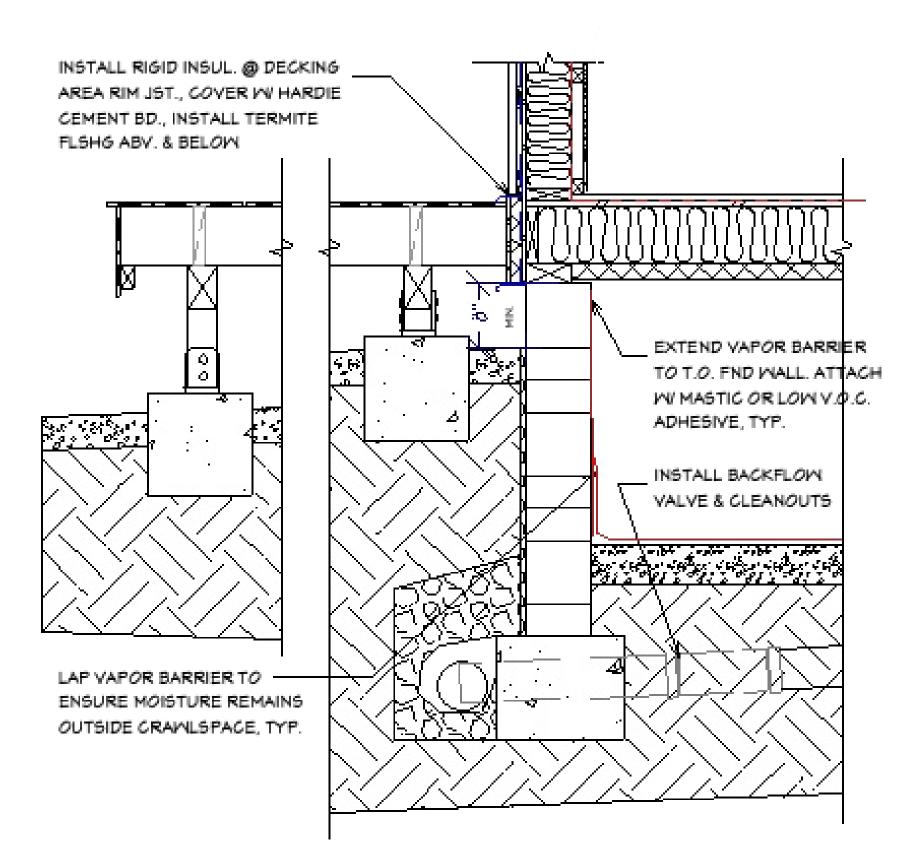
Renewable (PER)





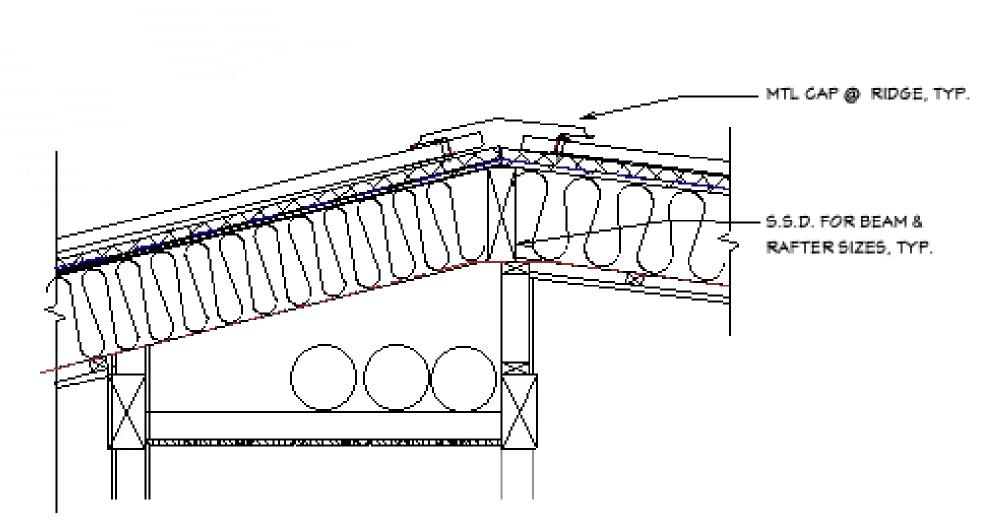


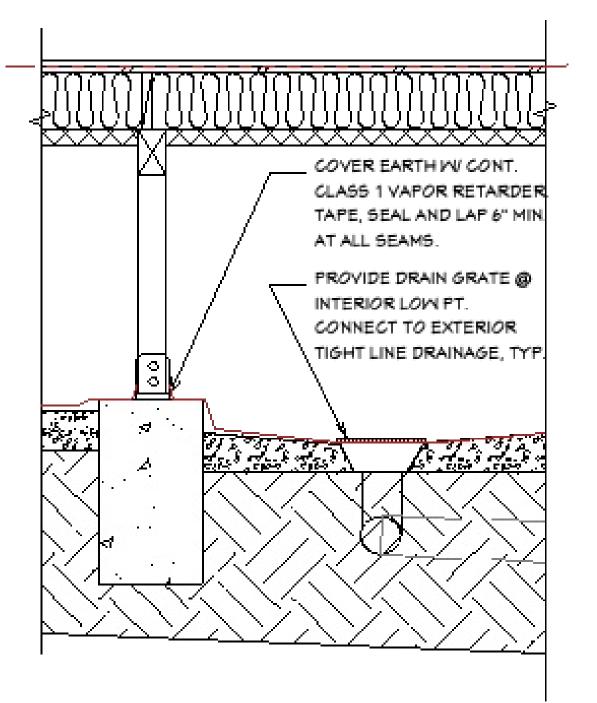


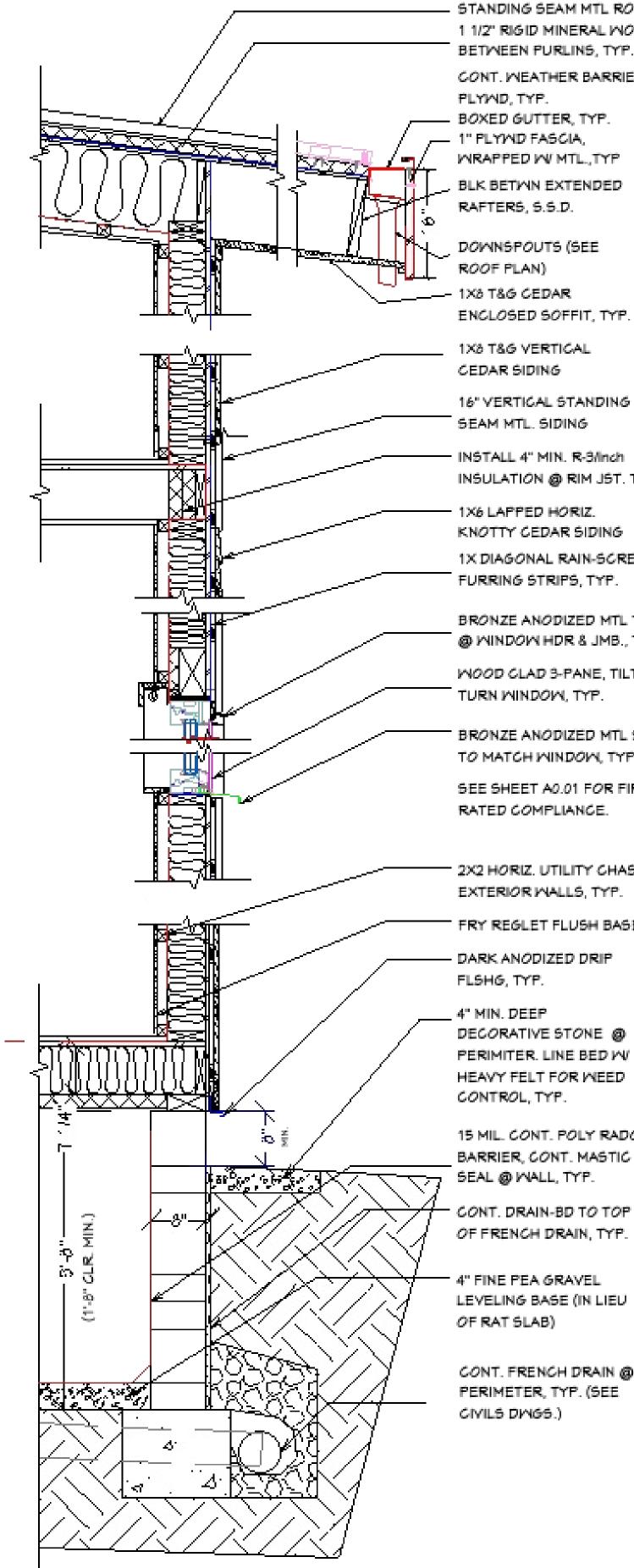


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17 Mile Haus Pebble Beach, CA









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STANDING SEAM MTL ROOF, TYP. 1 1/2" RIGID MINERAL WOOL SET BETWEEN PURLINS, TYP. CONT. WEATHER BARRIER O/ PLYMD, TYP. BOXED GUTTER, TYP. — 1" PLYMD FASCIA, WRAPPED W MTL., TYP

RAFTERS, S.S.D. DOWNSPOUTS (SEE ROOF PLAN) 1X8 T&G CEDAR

1X8 T&G VERTICAL CEDAR SIDING

16" VERTICAL STANDING SEAM MTL. SIDING

INSTALL 4" MIN. R-3/Inch INSULATION @ RIM JST. TYP.

1X6 LAPPED HORIZ. KNOTTY CEDAR SIDING 1X DIAGONAL RAIN-SCREEN FURRING STRIPS, TYP.

BRONZE ANODIZED MTL TRIM @ WINDOW HDR & JMB., TYP.

WOOD CLAD 3-PANE, TILT & TURN WINDOW, TYP.

BRONZE ANODIZED MTL SILLS TO MATCH WINDOW, TYP.

SEE SHEET A0.01 FOR FIRE-RATED COMPLIANCE.

2X2 HORIZ. UTILITY CHASE @ EXTERIOR WALLS, TYP.

FRY REGLET FLUSH BASE, TYP.

- DARK ANODIZED DRIP FLSHG, TYP.

4" MIN. DEEP DECORATIVE STONE @ PERIMITER. LINE BED W/ HEAVY FELT FOR WEED CONTROL, TYP.

15 MIL. CONT. POLY RADON BARRIER, CONT. MASTIC SEAL @ WALL, TYP.

CONT. DRAIN-BD TO TOP OF FRENCH DRAIN, TYP.

- 4" FINE PEA GRAVEL LEVELING BASE (IN LIEU OF RAT SLAB)

CONT. FRENCH DRAIN @ PERIMETER, TYP. (SEE CIVILS DWGS.)