

## REPORT- LV-E Details of Underground Surfaces

WEATHER FILE- SEATTLE BOEING FI WA

NUMBER OF UNDERGROUND SURFACES 59

SURFACE NAME	MULTIPLIER	AREA (SQFT )	CONSTRUCTION NAME	U-VALUE (BTU/HR-SQFT-F)
P1 South Wall (B.SW1.U1) \$X	1.0	196.35	Proposed ALL BG Mass Wall Const	0.607
P1 West Wall (B.SW1.U2) \$X	1.0	192.50	Proposed ALL BG Mass Wall Const	0.607
P1 West Wall (B.W2.U3) \$X	1.0	413.05	Proposed ALL BG Mass Wall Const	0.607
P1 West Wall (B.WNW3.U4)	1.0	211.20	Proposed ALL BG Mass Wall Const	0.607
P1 North Wall (B.WNW3.U5)	1.0	103.95	Proposed ALL BG Mass Wall Const	0.607
P1 North Wall (B.N4.U6)	1.0	176.00	Proposed ALL BG Mass Wall Const	0.607
P1 South Wall (B.S6.U7) \$X	1.0	508.75	Proposed ALL BG Mass Wall Const	0.607
P1 East Wall (B.SE7.U8)	1.0	165.55	Proposed ALL BG Mass Wall Const	0.607
P1 South Wall (B.SE7.U9)	1.0	187.00	Proposed ALL BG Mass Wall Const	0.607
P1 South Wall (B.WSW11.U10) \$X	1.0	324.50	Proposed ALL BG Mass Wall Const	0.607
P1 North Wall (B.WSW11.U11) \$X	1.0	162.25	Proposed ALL BG Mass Wall Const	0.607
P1 North Wall (B.WSW11.U12) \$X	1.0	78.65	Proposed ALL BG Mass Wall Const	0.607
P1 West Wall (B.WSW11.U13) \$X	1.0	354.75	Proposed ALL BG Mass Wall Const	0.607
P1 North Wall (B.NNE12.U14) \$X	1.0	1391.50	Proposed ALL BG Mass Wall Const	0.607
P1 East Wall (B.NNE12.U15) \$X	1.0	416.35	Proposed ALL BG Mass Wall Const	0.607
P1 South Wall (B.SE13.U16) \$X	1.0	440.00	Proposed ALL BG Mass Wall Const	0.607
P1 South Wall (B.SE13.U17) \$X	1.0	255.75	Proposed ALL BG Mass Wall Const	0.607
P1 East Wall (B.SE13.U18) \$X	1.0	589.60	Proposed ALL BG Mass Wall Const	0.607
P3 South Wall (BB.SW1.U1) \$X	1.0	160.65	Proposed ALL BG Mass Wall Const	0.607
P3 West Wall (BB.SW1.U2) \$X	1.0	157.50	Proposed ALL BG Mass Wall Const	0.607
P3 West Wall (BB.WNW2.U3) \$X	1.0	172.80	Proposed ALL BG Mass Wall Const	0.607
P3 North Wall (BB.WNW2.U4) \$X	1.0	85.05	Proposed ALL BG Mass Wall Const	0.607
P3 Flr (BB.C3.I5)	1.0	136.28	Proposed ALL Joist Floor Const	0.059
P3 South Wall (BB.W7.U5) \$X	1.0	265.50	Proposed ALL BG Mass Wall Const	0.607
P3 North Wall (BB.W7.U6) \$X	1.0	341.10	Proposed ALL BG Mass Wall Const	0.607
P3 West Wall (BB.W7.U7) \$X	1.0	628.20	Proposed ALL BG Mass Wall Const	0.607
P3 Flr (BB.NNE8.I27)	1.0	4995.33	Proposed ALL Joist Floor Const	0.059
P3 North Wall (BB.NNE8.U8) \$X	1.0	1138.50	Proposed ALL BG Mass Wall Const	0.607
P3 East Wall (BB.NNE8.U9) \$X	1.0	340.65	Proposed ALL BG Mass Wall Const	0.607
P3 Flr (BB.SSE9.I34)	1.0	7345.59	Proposed ALL Joist Floor Const	0.059
P3 East Wall (BB.SSE9.U10) \$X	1.0	617.85	Proposed ALL BG Mass Wall Const	0.607
P3 South Wall (BB.SSE9.U11) \$X	1.0	1138.50	Proposed ALL BG Mass Wall Const	0.607
P2 South Wall (UB.SW10.U12) \$X	1.0	160.65	Proposed ALL BG Mass Wall Const	0.607
P2 West Wall (UB.SW10.U13) \$X	1.0	157.50	Proposed ALL BG Mass Wall Const	0.607
P2 West Wall (UB.WNW11.U14)	1.0	172.80	Proposed ALL BG Mass Wall Const	0.607
P2 North Wall (UB.WNW11.U15)	1.0	85.05	Proposed ALL BG Mass Wall Const	0.607
P2 South Wall (UB.W16.U16) \$X	1.0	265.50	Proposed ALL BG Mass Wall Const	0.607
P2 North Wall (UB.W16.U17) \$X	1.0	341.10	Proposed ALL BG Mass Wall Const	0.607
P2 West Wall (UB.W16.U18) \$X	1.0	628.20	Proposed ALL BG Mass Wall Const	0.607
P2 North Wall (UB.NNE17.U19) \$X	1.0	1138.50	Proposed ALL BG Mass Wall Const	0.607
P2 East Wall (UB.NNE17.U20) \$X	1.0	340.65	Proposed ALL BG Mass Wall Const	0.607
P2 East Wall (UB.SSE18.U21) \$X	1.0	617.85	Proposed ALL BG Mass Wall Const	0.607
P2 South Wall (UB.SSE18.U22) \$X	1.0	1138.50	Proposed ALL BG Mass Wall Const	0.607
P4 Flr (B.SW1.I1) \$X	1.0	312.37	Proposed ALL Joist Floor Const	0.059
P4 South Wall (B.SW1.U1) \$X	1.0	160.65	Proposed ALL BG Mass Wall Const	0.607
P4 West Wall (B.SW1.U2) \$X	1.0	157.50	Proposed ALL BG Mass Wall Const	0.607
P4 Flr (B.WNW2.I2)	1.0	152.62	Proposed ALL Joist Floor Const	0.059
P4 West Wall (B.WNW2.U3)	1.0	145.35	Proposed ALL BG Mass Wall Const	0.607
P4 North Wall (B.WNW2.U4)	1.0	85.05	Proposed ALL BG Mass Wall Const	0.607
P4 North Wall (B.NE3.U5)	1.0	122.85	Proposed ALL BG Mass Wall Const	0.607
P4 Flr (B.NE3.I3)	1.0	362.09	Proposed ALL Joist Floor Const	0.059
P4 East Wall (B.C4.U7)	1.0	69.30	Proposed ALL BG Mass Wall Const	0.607

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----- (CONTINUED) -----

SURFACE NAME	MULTIPLIER	AREA (SQFT )	CONSTRUCTION NAME	U-VALUE (BTU/HR-SQFT-F)
P4 Flr (B.C4.I5)	1.0	266.80	Proposed ALL Joist Floor Const	0.059
P4 Flr (B.SSE5.I7)	1.0	367.29	Proposed ALL Joist Floor Const	0.059
P4 East Wall (B.N6.U11) \$X	1.0	324.45	Proposed ALL BG Mass Wall Const	0.607
P4 Flr (B.N6.I8) \$X	1.0	5334.83	Proposed ALL Joist Floor Const	0.059
P4 North Wall (B.N6.U12) \$X	1.0	530.10	Proposed ALL BG Mass Wall Const	0.607
P4 West Wall (B.N6.U13) \$X	1.0	655.65	Proposed ALL BG Mass Wall Const	0.607
P4 South Wall (B.N6.U14) \$X	1.0	265.50	Proposed ALL BG Mass Wall Const	0.607