

In accordance with ACCA Manual J

Registered For:**The Ike J. van Cruyningen Residence****For:**

Westridge Room-by-Room
835 Westridge Dr
Portola Valley, CA 94028

Design Conditions: San Jose**Indoor:**

Summer temperature: 75
Winter temperature: 70
Relative humidity: 50

Outdoor:

Summer temperature: 81
Winter temperature: 33
Summer grains of moisture: 67
Daily temperature range: Medium

Building Component		Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
Whole House	6,647.5 sq.ft.	64,243	1,306	65,549 (5.5 tons)	59,002
Kitchen and Family Room		11,822	985	12,807	6,918
Kitchen	228 sq.ft.	3,003	466	3,469	1,109
Infiltration		21	6	27	190
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
People	2	600	460	1,060	0
Miscellaneous		1,200	0	1,200	0
Floor	228 sq.ft.	0	0	0	219
- Over unheated basement; Hardwood; R-19 (4 - 6.5 inch)					
W Wall	132 sq.ft.	57	0	57	220
- Wood frame, with sheathing, siding or brick; R-19 1/2 in.; R-5.01 in. Extruded poly board					
Window	12 sq.ft.	734	0	734	160
- Double pane; Wood frame; Low emittance - No inside shading; Coating: None (clear glass); No outside shading.					
S Wall	96 sq.ft.	41	0	41	160
- Wood frame, with sheathing, siding or brick; R-19 1/2 in.; R-5.01 in. Extruded poly board					
Window	12 sq.ft.	350	0	350	160
- Double pane; Wood frame; Low emittance - No inside shading; Coating: None (clear glass); No outside shading.					
Family Room	800 sq.ft.	8,800	519	9,319	5,676
Infiltration		191	59	250	1,769
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
People	2	600	460	1,060	0
Floor	800 sq.ft.	0	0	0	0
- Over conditioned space					

Building Component		Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
W Wall	67.5 sq.ft.	29	0	29	112
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	52.5 sq.ft.	1,914	0	1,914	701
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
Door	24 sq.ft.	154	0	154	595
- Wood; Panel; No storm					
S Wall	94.2 sq.ft.	41	0	41	157
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	85.8 sq.ft.	1,892	0	1,892	1,146
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
E Wall	47.4 sq.ft.	20	0	20	79
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	60.6 sq.ft.	3,709	0	3,709	809
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); No outside shading.					
Ceiling	320 sq.ft.	250	0	250	308
- Under ventilated attic; R-38 (10 inch); Dark					
Powder and Pantry	60 sq.ft.	19	0	19	133
Infiltration		0	0	0	0
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	60 sq.ft.	0	0	0	58
- Over unheated basement; Hardwood; R-19 (4 - 6.5 inch)					
W Wall	45 sq.ft.	19	0	19	75
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Living, Dining, Entry		23,065	94	23,159	15,056
Living Room	320 sq.ft.	6,014	33	6,047	7,175
Infiltration		108	33	141	1,000
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Fireplace		0	0	0	3,854
- Best - combustion air from outdoors, glass doors, damper					
Floor	320 sq.ft.	0	0	0	308
- Over enclosed crawl space; Hardwood; R-19 (4 - 6.5 inch)					
N Wall	102 sq.ft.	44	0	44	170
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	42 sq.ft.	680	0	680	561
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); No outside shading.					
E Wall	96 sq.ft.	41	0	41	160
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	84 sq.ft.	5,141	0	5,141	1,122
- Double pane; Wood frame; Low emittance					

Building Component		Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
- No inside shading; Coating: None (clear glass); No outside shading.					
Dining Room	354 sq.ft.	3,088	17	3,105	1,977
Infiltration		54	17	71	500
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	354 sq.ft.	0	0	0	341
- Over enclosed crawl space; Hardwood; R-19 (4 - 6.5 inch)					
W Wall	119 sq.ft.	51	0	51	198
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	43 sq.ft.	2,632	0	2,632	574
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); No outside shading.					
N Wall	56.3 sq.ft.	24	0	24	94
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	20.2 sq.ft.	327	0	327	270
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); No outside shading.					
Entry Hall	240 sq.ft.	13,963	44	14,007	5,904
Infiltration		142	44	186	1,317
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	240 sq.ft.	0	0	0	231
- Over enclosed crawl space; Hardwood; R-19 (4 - 6.5 inch)					
E Wall	50.4 sq.ft.	22	0	22	84
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	45.6 sq.ft.	2,791	0	2,791	609
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); No outside shading.					
Glassdoor	48 sq.ft.	3,187	0	3,187	927
- French doors; Double pane; Wood or vinyl frame; Clear glass					
- No inside shading; Coating: None (clear glass); No outside shading.					
W Wall	71.8 sq.ft.	31	0	31	120
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	22.8 sq.ft.	1,395	0	1,395	305
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); No outside shading.					
Door	28 sq.ft.	180	0	180	694
- Wood; Panel; No storm					
Glassdoor	21.4 sq.ft.	1,421	0	1,421	413
- French doors; Double pane; Wood or vinyl frame; Clear glass					
- No inside shading; Coating: None (clear glass); No outside shading.					
Ceiling	187.4 sq.ft.	197	0	197	243
- Roof-Ceiling combination; R-30 batts (2 X 10 rafters); Dark					
H Skylight	52.6 sq.ft.	4,597	0	4,597	961
- Double, low emittance glass; Treatment: Tinted glass or opaque plastic; Horizontal; Wood frame					

Building Component		Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
Bedroom #1		7,606	62	7,668	7,087
Bedroom #1, Closet, and Hall	543 sq.ft.	5,795	47	5,842	5,345
Infiltration		151	47	198	1,397
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	542.7 sq.ft.	0	0	0	0
- Over conditioned space					
S Wall	197.4 sq.ft.	85	0	85	329
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	40.4 sq.ft.	891	0	891	540
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
E Wall	55.6 sq.ft.	24	0	24	93
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	40.4 sq.ft.	1,473	0	1,473	540
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
Glassdoor	48 sq.ft.	1,894	0	1,894	927
- French doors; Double pane; Wood or vinyl frame; Clear glass					
- No inside shading; Coating: None (clear glass); 55% shaded.					
N Wall	42 sq.ft.	18	0	18	70
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Glassdoor	48 sq.ft.	835	0	835	927
- French doors; Double pane; Wood or vinyl frame; Clear glass					
- No inside shading; Coating: None (clear glass); 55% shaded.					
Ceiling	543 sq.ft.	424	0	424	522
- Under ventilated attic; R-38 (10 inch); Dark					
Bathroom #1	192 sq.ft.	1,811	15	1,826	1,742
Infiltration		50	15	65	460
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	192 sq.ft.	0	0	0	0
- Over conditioned space					
N Wall	115 sq.ft.	50	0	50	191
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	29 sq.ft.	470	0	470	387
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
E Wall	79 sq.ft.	34	0	34	132
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	29 sq.ft.	1,057	0	1,057	387
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
Ceiling	192 sq.ft.	150	0	150	185
- Under ventilated attic; R-38 (10 inch); Dark					

Building Component		Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
Offices		4,347	44	4,391	6,577
Office #1	196 sq.ft.	1,792	15	1,807	1,926
Infiltration		50	15	65	460
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	195.8 sq.ft.	0	0	0	188
- Over enclosed crawl space; Hardwood; R-19 (4 - 6.5 inch)					
E Wall	93 sq.ft.	40	0	40	155
- Wood frame, with sheathing, siding or brick; R-19 1/2 in.; R-5.01 in. Extruded poly board					
Window	28.6 sq.ft.	1,042	0	1,042	382
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
N Wall	102 sq.ft.	44	0	44	170
- Wood frame, with sheathing, siding or brick; R-19 1/2 in.; R-5.01 in. Extruded poly board					
Window	28.6 sq.ft.	463	0	463	382
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
Ceiling	196 sq.ft.	153	0	153	189
- Under ventilated attic; R-38 (10 inch); Dark					
Office #2	216 sq.ft.	1,106	11	1,117	1,801
Infiltration		37	11	48	341
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	216 sq.ft.	0	0	0	208
- Over enclosed crawl space; Hardwood; R-19 (4 - 6.5 inch)					
N Wall	78.5 sq.ft.	34	0	34	131
- Wood frame, with sheathing, siding or brick; R-19 1/2 in.; R-5.01 in. Extruded poly board					
Window	43 sq.ft.	697	0	697	574
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
W Wall	144 sq.ft.	83	0	83	320
- Wood frame, with sheathing, siding or brick; R-19 1/2 in.; none					
Ceiling	215 sq.ft.	168	0	168	207
- Under ventilated attic; R-38 (10 inch); Dark					
H Skylight	1 sq.ft.	87	0	87	20
- Double, low emittance glass; Treatment: Tinted glass or opaque plastic; Horizontal; Thermally improved metal					
Laundry and Hall	224 sq.ft.	1,109	16	1,125	2,474
Infiltration		53	16	69	492
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	224 sq.ft.	0	0	0	215
- Over enclosed crawl space; Hardwood; R-19 (4 - 6.5 inch)					
S Wall	136.3 sq.ft.	59	0	59	227
- Wood frame, with sheathing, siding or brick; R-19 1/2 in.; R-5.01 in. Extruded poly board					
Window	25.7 sq.ft.	567	0	567	343
- Double pane; Wood frame; Low emittance					

Building Component		Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
- No inside shading; Coating: None (clear glass); 55% shaded.					
Door	18 sq.ft.	116	0	116	446
- Wood; Panel; No storm					
W Wall	54 sq.ft.	23	0	23	90
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Door	18 sq.ft.	116	0	116	446
- Wood; Panel; No storm					
Ceiling	224 sq.ft.	175	0	175	215
- Under ventilated attic; R-38 (10 inch); Dark					
Bathroom #6	70 sq.ft.	340	2	342	376
Infiltration		6	2	8	56
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	70 sq.ft.	0	0	0	67
- Over enclosed crawl space; Hardwood; R-19 (4 - 6.5 inch)					
E Wall	56 sq.ft.	24	0	24	93
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	7 sq.ft.	255	0	255	93
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
Ceiling	70 sq.ft.	55	0	55	67
- Under ventilated attic; R-38 (10 inch); Dark					
Bedroom #4		4,478	33	4,511	8,024
Bedroom #4	285 sq.ft.	2,003	15	2,018	5,792
Infiltration		49	15	64	452
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Fireplace		0	0	0	3,854
- Best - combustion air from outdoors, glass doors, damper					
Floor	284.7 sq.ft.	0	0	0	0
- Over conditioned space					
E Wall	148.8 sq.ft.	64	0	64	248
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	34.2 sq.ft.	1,247	0	1,247	457
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
N Wall	121.2 sq.ft.	52	0	52	202
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	22.8 sq.ft.	369	0	369	305
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
Ceiling	285 sq.ft.	222	0	222	274
- Under ventilated attic; R-38 (10 inch); Dark					
Dressing Room	184 sq.ft.	1,030	6	1,036	799

Building Component		Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
Infiltration		20	6	26	183
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	184 sq.ft.	0	0	0	0
- Over conditioned space					
W Wall	80.7 sq.ft.	35	0	35	134
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	22.8 sq.ft.	831	0	831	305
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
Ceiling	184 sq.ft.	144	0	144	177
- Under ventilated attic; R-38 (10 inch); Dark					
Bathroom #4	165 sq.ft.	1,445	12	1,457	1,433
Infiltration		39	12	51	365
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	165 sq.ft.	0	0	0	0
- Over conditioned space					
W Wall	58.2 sq.ft.	25	0	25	97
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	22.8 sq.ft.	831	0	831	305
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
N Wall	121.2 sq.ft.	52	0	52	202
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	22.8 sq.ft.	369	0	369	305
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
Ceiling	165 sq.ft.	129	0	129	159
- Under ventilated attic; R-38 (10 inch); Dark					
Bedrooms #2 and #3		4,838	32	4,870	4,311
Bedroom #2 and Closet	230 sq.ft.	1,388	9	1,397	1,323
Infiltration		29	9	38	270
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	229.8 sq.ft.	0	0	0	0
- Over conditioned space					
S Wall	105.6 sq.ft.	46	0	46	176
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	11.4 sq.ft.	251	0	251	152
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
E Wall	119.7 sq.ft.	52	0	52	199
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	22.8 sq.ft.	831	0	831	305
- Double pane; Wood frame; Low emittance					

Building Component		Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
- No inside shading; Coating: None (clear glass); 55% shaded.					
Ceiling	230 sq.ft.	179	0	179	221
- Under ventilated attic; R-38 (10 inch); Dark					
Bedroom #3 and Closet	264 sq.ft.	2,117	15	2,132	1,902
Infiltration		49	15	64	452
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	263.7 sq.ft.	0	0	0	0
- Over conditioned space					
W Wall	112.1 sq.ft.	48	0	48	187
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	34.2 sq.ft.	1,247	0	1,247	457
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
S Wall	148.2 sq.ft.	64	0	64	247
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	22.8 sq.ft.	503	0	503	305
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
Ceiling	264 sq.ft.	206	0	206	254
- Under ventilated attic; R-38 (10 inch); Dark					
Bathroom #2	86 sq.ft.	302	2	304	320
Infiltration		5	2	7	48
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	86 sq.ft.	0	0	0	0
- Over conditioned space					
E Wall	69.5 sq.ft.	30	0	30	116
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	5.5 sq.ft.	200	0	200	73
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
Ceiling	86 sq.ft.	67	0	67	83
- Under ventilated attic; R-38 (10 inch); Dark					
Bathroom #3	96 sq.ft.	947	6	953	662
Infiltration		20	6	26	183
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	96 sq.ft.	0	0	0	0
- Over conditioned space					
W Wall	49.2 sq.ft.	21	0	21	82
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; R-5.01 in. Extruded poly board					
Window	22.8 sq.ft.	831	0	831	305
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
Ceiling	96 sq.ft.	75	0	75	92

Building Component		Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
- Under ventilated attic; R-38 (10 inch); Dark					
Hall	108 sq.ft.	84	0	84	104
Infiltration		0	0	0	0
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	108 sq.ft.	0	0	0	0
- Over conditioned space					
Ceiling	108 sq.ft.	84	0	84	104
- Under ventilated attic; R-38 (10 inch); Dark					
Basement		8,087	55	8,142	11,030
Play Room	740 sq.ft.	6,883	41	6,924	6,783
Infiltration		131	41	172	1,214
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	634 sq.ft.	0	0	0	563
- Basement floor, 2' or more below grade; Concrete; Not applicable					
Floor (2)	105.7 sq.ft.	0	0	0	425
- Concrete slab on grade; Concrete; 1 in. edge R - 5					
N Wall	189.9 sq.ft.	63	0	63	1,012
- Masonry, above grade; R-51 in.; 8 or 12 in. Block					
Window	34.6 sq.ft.	561	0	561	462
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); No outside shading.					
E Wall	97.4 sq.ft.	32	0	32	519
- Masonry, above grade; R-51 in.; 8 or 12 in. Block					
Window	34.6 sq.ft.	2,118	0	2,118	462
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); No outside shading.					
Glassdoor	48 sq.ft.	3,187	0	3,187	927
- French doors; Double pane; Wood or vinyl frame; Clear glass					
- No inside shading; Coating: None (clear glass); No outside shading.					
E Wall BelowGr	72 sq.ft.	0	0	0	197
- Block or brick, extends to 5' below grade; R-51 in.; 8 or 12 in. Block					
S Wall BelowGr	90 sq.ft.	0	0	0	246
- Block or brick, extends to 5' below grade; R-51 in.; 8 or 12 in. Block					
S Wall BelowGr (2)	85.5 sq.ft.	0	0	0	187
- Block or brick, extends over 5' below grade; R-51 in.; 8 or 12 in. Block					
S Wall	48.3 sq.ft.	28	0	28	107
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; none					
Window	34.6 sq.ft.	763	0	763	462
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
Home Theatre	440 sq.ft.	1,204	14	1,218	2,086
Infiltration		45	14	59	413
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					

Building Component		Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
Floor	440 sq.ft.	0	0	0	391
- Basement floor, 2' or more below grade; Concrete; Not applicable					
S Wall	26 sq.ft.	15	0	15	58
- Wood frame, with sheathing, siding or brick; R-195 1/2 in.; none					
Window	52 sq.ft.	1,144	0	1,144	693
- Double pane; Wood frame; Low emittance					
- No inside shading; Coating: None (clear glass); 55% shaded.					
S Wall BelowGr	118.8 sq.ft.	0	0	0	189
- Block or brick, extends over 5' below grade; R-113 1/2 in.; 8 or 12 in. Block					
S Wall BelowGr (2)	125 sq.ft.	0	0	0	342
- Block or brick, extends to 5' below grade; R-51 in.; 8 or 12 in. Block					
Wine Cellar and Utility	288 sq.ft.	0	0	0	1,276
Infiltration		0	0	0	0
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	288 sq.ft.	0	0	0	256
- Basement floor, 2' or more below grade; Concrete; Not applicable					
W Wall BelowGr	240 sq.ft.	0	0	0	657
- Block or brick, extends to 5' below grade; R-51 in.; 8 or 12 in. Block					
W Wall BelowGr (2)	228 sq.ft.	0	0	0	363
- Block or brick, extends over 5' below grade; R-113 1/2 in.; 8 or 12 in. Block					
Storage and Stairway	320 sq.ft.	0	0	0	885
Infiltration		0	0	0	0
- Tightness: Best; Winter ACH: .3 ; Summer ACH: .2					
Floor	320 sq.ft.	0	0	0	284
- Basement floor, 2' or more below grade; Concrete; Not applicable					
N Wall BelowGr	134.2 sq.ft.	0	0	0	214
- Block or brick, extends over 5' below grade; R-113 1/2 in.; 8 or 12 in. Block					
N Wall BelowGr (2)	141.3 sq.ft.	0	0	0	387
- Block or brick, extends to 5' below grade; R-51 in.; 8 or 12 in. Block					
Whole House	6,647.5 sq.ft.	64,243	1,306	65,549 (5.5 tons)	59,002