

In accordance with ACCA Manual J

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

Guesthouse
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	701.5 sq.ft.	8,081	43	8,124 (0.5 tons)	8,426
Living Room and Kitchen		4,228	24	4,252	4,650
Living Room	364 sq.ft.	4,228	24	4,252	4,650
Infiltration		76	24	100	939
Duct		0	0	0	221
Floor	364.5 sq.ft.	0	0	0	250
S Wall	114.6 sq.ft.	50	0	50	191
Window	30 sq.ft.	661	0	661	401
Window (2)	8.4 sq.ft.	185	0	185	112
Door	18 sq.ft.	116	0	116	446
W Wall	122.6 sq.ft.	53	0	53	204
Window	57.4 sq.ft.	2,092	0	2,092	767
W Wall (2)	36 sq.ft.	16	0	16	60
N Wall	104 sq.ft.	45	0	45	173
Window	40 sq.ft.	650	0	650	536
Ceiling	364 sq.ft.	284	0	284	350
Bedroom and Bathroom		3,852	20	3,872	3,776
Bedroom	265 sq.ft.	3,564	18	3,582	3,253
Infiltration		57	18	75	706
Duct		0	0	0	155
Floor	265 sq.ft.	0	0	0	181
S Wall	88.3 sq.ft.	38	0	38	147
Window	28.7 sq.ft.	633	0	633	383

Building Component		Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
E Wall	122.6 sq.ft.	53	0	53	204
Window	57.4 sq.ft.	2,092	0	2,092	767
N Wall	43.3 sq.ft.	19	0	19	72
Window	28.7 sq.ft.	465	0	465	383
Ceiling	265 sq.ft.	207	0	207	255
Bathroom	72 sq.ft.	288	2	290	523
Infiltration		5	2	7	67
Duct		0	0	0	25
Floor	72 sq.ft.	0	0	0	49
E Wall	36 sq.ft.	16	0	16	60
N Wall	60.6 sq.ft.	26	0	26	101
Window	11.4 sq.ft.	185	0	185	152
Ceiling	72 sq.ft.	56	0	56	69
Whole House	701.5 sq.ft.	8,081	43	8,124 (0.5 tons)	8,426