

In accordance with ACCA Manual J

Report Prepared By:

Southland Energy Consultants

For: Sample Residence
1234 Main St.
San Francisco, CA 94123

Design Conditions: San Francisco CO

Indoor:		Outdoor:	
Summer temperature:	75	Summer temperature:	71
Winter temperature:	72	Winter temperature:	40
Relative humidity:	50	Summer grains of moisture:	69
		Daily temperature range:	Low

Building Component		Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
Whole House	972 sq.ft.	7,509	1,140	8,649 (0.5 tons)	12,708
Existing Condo		7,509	1,140	8,649	12,709
Master Bedroom	260 sq.ft.	1,205	505	1,710	2,829
Infiltration		-58	45	-13	1,007
People	2	600	460	1,060	0
Fireplace		0	0	0	456
Floor	260 sq.ft.	0	0	0	0
N Wall	69 sq.ft.	20	0	20	177
Glassdoor	48 sq.ft.	643	0	643	1,189
Bedroom	160 sq.ft.	2,156	276	2,432	2,122
Infiltration		-60	46	-14	1,028
People	1	300	230	530	0
Floor	160 sq.ft.	0	0	0	0
E Wall	23 sq.ft.	7	0	7	59
Window	13 sq.ft.	907	0	907	412
S Wall	81 sq.ft.	23	0	23	207
Window	36 sq.ft.	979	0	979	416
Guest Bedroom	88 sq.ft.	2,996	290	3,286	3,617
Infiltration		-78	60	-18	1,343
People	1	300	230	530	0
Floor	88 sq.ft.	0	0	0	0
S Wall	30 sq.ft.	9	0	9	77
Window	42 sq.ft.	1,210	0	1,210	1,331

Building Component		Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
W Wall	66 sq.ft.	19	0	19	169
Window	22 sq.ft.	1,536	0	1,536	697
Hallway/Vestibule	158 sq.ft.	561	19	580	1,071
Infiltration		-24	19	-5	420
Floor	158 sq.ft.	0	0	0	0
S Wall	25 sq.ft.	7	0	7	64
Glassdoor	20 sq.ft.	568	0	568	495
W Wall	36 sq.ft.	10	0	10	92
Living/Kitchen	306 sq.ft.	591	50	641	3,070
Infiltration		-65	50	-15	1,112
Floor	306 sq.ft.	0	0	0	0
N Wall	109 sq.ft.	31	0	31	279
Window	53 sq.ft.	625	0	625	1,679
Whole House	972 sq.ft.	7,509	1,140	8,649 (0.5 tons)	12,708