

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

<b>Indoor:</b>		<b>Outdoor:</b>	
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)
<b>Whole House</b>	<b>972 sq.ft.</b>	<b>7,509</b>	<b>1,140</b>	<b>8,649</b> <b>( 0.5 tons )</b>	<b>12,708</b>
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

<b>Building Component</b>		<b>Sensible Gain (BTUH)</b>	<b>Latent Gain (BTUH)</b>	<b>Total Heat Gain (BTUH)</b>	<b>Total Heat Loss (BTUH)</b>
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
<b>Whole House</b>	<b>972 sq.ft.</b>	<b>7,509</b>	<b>1,140</b>	<b>8,649</b> <b>( 0.5 tons )</b>	<b>12,708</b>