

In accordance with ACCA Manual J

Registered For:**The David Bell Residence****For:**

Bell Residence Remodel
 1525 West Willetta
 Phoenix, AZ 85007-1817

Design Conditions: Phoenix**Indoor:**

Summer temperature: 75
 Winter temperature: 72
 Relative humidity: 50

Outdoor:

Summer temperature: 107
 Winter temperature: 34
 Summer grains of moisture: 56
 Daily temperature range: High

Building Component	Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
Windows	12,962	0	12,962	6,874
People	5,100	3,910	9,010	0
Infiltration	4,709	0	4,709	11,942
Duct	4,278	0	4,278	5,297
Misc	2,400	0	2,400	0
Glassdoors	2,016	0	2,016	1,244
Ceilings	1,900	0	1,900	1,425
Walls	513	0	513	5,742
Doors	274	0	274	341
Skylights	0	0	0	0
Fireplaces	0	0	0	5,213
Floors	0	0	0	4,048
Whole House	34,152	3,910	38,062 (3 tons)	42,126