

HEAT LOSS CALCULATIONS

	Pantry	Bth-1	Kitchen	Family	Study	Dining	Entry	Office
Room Height (ft)	9.00	9.00	9.00	18.00	9.00	9.00	18.00	9.00
Room Length (ft)	7.50	5.50	25.75	22.00	22.00	13.50	13.00	13.00
Room Width (ft)	12.50	8.50	15.50	20.00	10.00	16.75	15.00	13.75
Doors & Glass (sq ft)		11.30	73.00	198.00	30.00	60.00	70.00	30.00
Door & Glass Factor		0.3600	0.3600	0.3600	0.3600	0.3600	0.3600	0.3600
Exposed Wall Length (ft)	20.00	5.50	25.75	42.00	32.00	30.00	13.00	13.00
Exposed Wall Factor	0.0400	0.0400	0.0400	0.0400	0.0400	0.0400	0.0400	0.0400
Cold Partition Length (ft)								
Cold Partition Factor								
Ceiling Factor				0.0200				0.0200
Floor Factor	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
Infiltration Factor	0.0120	0.0120	0.0120	0.0180	0.0120	0.0180	0.0120	0.0120
Indoor Temperature (F)	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
Heat Loss (BTU/HR)	1,229	741	5,358	16,241	3,154	4,554	5,228	2,378

38,843

HEAT LOSS CALCULATIONS

2nd Floor

	M.Bth	WIC	Bth-2	Bedrm-2	M.Bedrm	Bedrm-3	Laundry	Bedrm-4
Room Height (ft)	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
Room Length (ft)	10.00	8.00	9.60	12.00	13.50	13.50	6.50	12.00
Room Width (ft)	12.00	12.00	12.00	15.50	17.50	9.50	11.50	16.00
Doors & Glass (sq ft)	10.00		10.00	30.00	60.00	30.00		30.00
Door & Glass Factor	0.3600		0.3600	0.3600	0.3600	0.3600	0.3600	0.3600
Exposed Wall Length (ft)	22.00	8.00	9.60	12.00	31.00	13.50	6.60	6.60
Exposed Wall Factor	0.0400	0.0400	0.0400	0.0400	0.0400	0.0400	0.0400	0.0400
Cold Partition Length (ft)								
Cold Partition Factor								
Ceiling Factor	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
Floor Factor								
Infiltration Factor	0.0120	0.0120	0.0120	0.0120	0.0180	0.0120	0.0120	0.0180
Indoor Temperature (F)	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
Heat Loss (BTU/HR)	1,546	877	1,257	2,241	4,343	1,843	690	2,630

15,427

54,310