

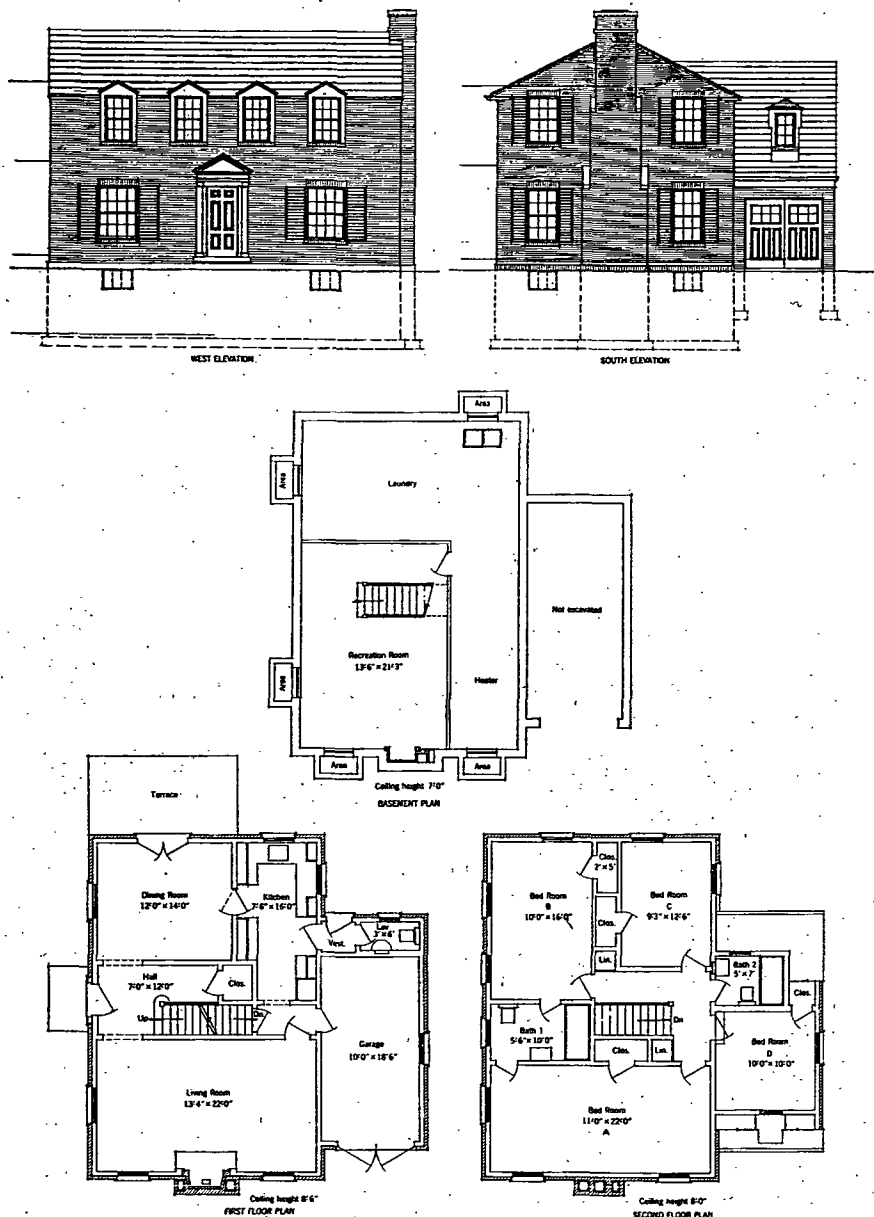


FIG. 2. ELEVATIONS AND FLOOR PLANS OF RESIDENCE

TABLE 4. SUMMARY OF HEAT LOSSES OF UNINSULATED RESIDENCE

Heat losses given in Btu per hour

ROOM OR SPACE	WALLS	CEILING AND ROOF	FLOOR	GLASS AND DOOR	INFILTRATION	TOTALS
Bedroom A	5330	6660	-----	1440	1010	14,440
Bedroom B	3490	4400	-----	1440	1010	10,340
Bedroom C	2560	3300	-----	970	500	7,330
Bedroom D	2650	3300	960	720	500	8,130
Bathroom 1	670	1510	-----	500	500	3,180
Bathroom 2	1770	960	310	320	420	3,780
Living Room	7260	-----	-----	1800	1120	10,180
Dining Room	3720	-----	-----	3880	870	8,470
Kitchen	2850	-----	-----	950	760	4,560
Lavette	3000	-----	-----	1100	530	4,630
Entrance Hall	870	2490	-----	640	560	4,560
Garage	-1030*	-----	-1550†	3410	2700	3,530
Recreation	840	-----	570	720	490	2,620
Totals	33,980	22,620	290	17,890	10,970	85,750
Percentages	39.6	26.4	0.3	20.9	12.8	100.0

*Wall heat loss of 2110 Btu minus wall heat gain of 3140 Btu.

†Heat gains; 960, 310 and 280 Btu.

TABLE 5. SUMMARY OF HEAT LOSSES OF INSULATED RESIDENCE

Heat losses given in Btu per hour

ROOM OR SPACE	WALLS	CEILING AND ROOF	FLOOR	GLASS AND DOOR	INFILTRATION	TOTALS
Bedroom A	2670	2370	-----	1440	1010	7,490
Bedroom B	1750	1570	-----	1440	1010	5,770
Bedroom C	1280	1170	-----	970	500	3,920
Bedroom D	1320	1170	690	720	500	4,400
Bathroom 1	340	540	-----	500	500	1,880
Bathroom 2	820	340	220	320	420	2,120
Living Room	3580	-----	-----	1800	1120	6,500
Dining Room	1860	-----	-----	3880	870	6,610
Kitchen	1400	-----	-----	950	760	3,110
Lavette	1460	-----	-----	1100	530	3,090
Entrance Hall	440	850	-----	640	560	2,490
Garage	-400*	-----	-1190†	3410	2700	4,520
Recreation	840	-----	570	720	490	2,620
Totals	17,360	8,010	290	17,890	10,970	54,520
Percentages	31.9	14.7	0.5	32.8	20.1	100.0

*Wall heat loss of 1050 Btu minus wall heat gains of 590, 320 and 540 Btu.

†Heat gains; 690, 220 and 280 Btu.