

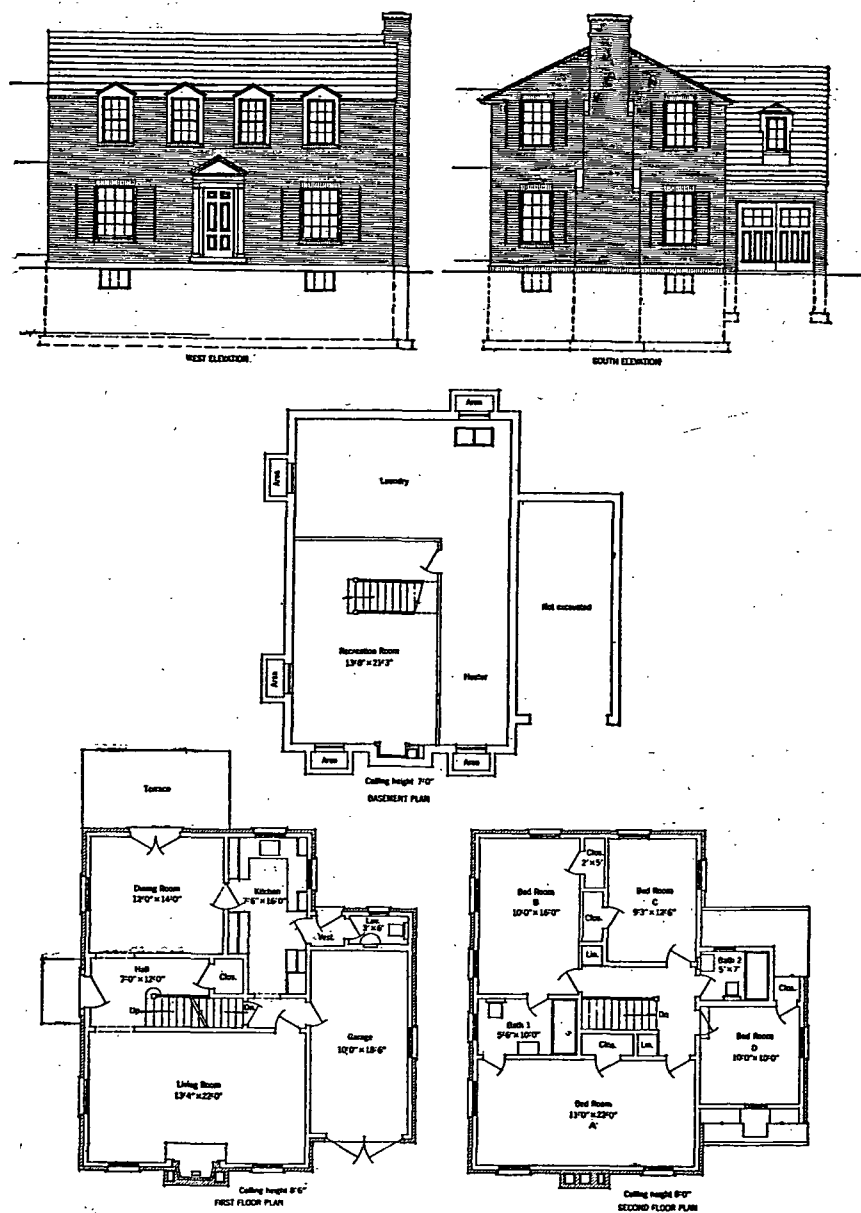


FIG. 3. ELEVATIONS AND FLOOR PLANS OF RESIDENCE

TABLE 7. HEAT LOSS CALCULATION SHEET FOR UNINSULATED RESIDENCE (FIG. 3)

A	B	C	D	E	F	G
ROOM OR SPACE	PART OF STRUCTURE OR INFILTRATION AIR CHANGES	NET AREA OR AIR VOLUME	COEFFICIENT	TEMP. DIFF.°	HEAT LOSS (Btu per hour)	TOTALS (Btu per hour)
Bedroom A and Closet	Walls Glass Ceiling Infiltration (34)*	238 sq ft 40 sq ft 252 sq ft 1510 cfb ^b	0.28 0.45 0.69 0.018°	80 80 39.8 ^d 80	5330 1440 6910 2180	15,860
Bedroom B and Closet	Walls Glass Ceiling Infiltration (34)*	156 sq ft 40 sq ft 170 sq ft 1020 cfb ^b	0.28 0.45 0.69 0.018°	80 80 39.8 ^d 80	3490 1440 4660 1470	11,060
Bedroom C and Closet	Walls Glass Ceiling Infiltration (34)*	114 sq ft 27 sq ft 129 sq ft 874 cfb ^b	0.28 0.45 0.69 0.018°	80 80 39.8 ^d 80	2560 970 3540 1260	8,330
Bedroom D and Closet	Walls Glass Ceiling Floor over garage Infiltration (34)*	118 sq ft 20 sq ft 110 sq ft 110 sq ft 660 cfb ^b	0.28 0.45 0.69 0.25 0.018°	80 80 39.8 ^d 35° 80	2650 720 3020 960 ^p 950	8,300
Bathroom 1	Walls Glass Ceiling Infiltration (1)*	30 sq ft 14 sq ft 55 sq ft 440 cfb ^b	0.28 0.45 0.69 0.018°	80 80 39.8 ^d 80	670 500 1510 630	3,310
Bathroom 2	Walls Glass Ceiling Floor over garage Infiltration (1)*	79 sq ft 9 sq ft 35 sq ft 35 sq ft 280 cfb ^b	0.28 0.45 0.69 0.25 0.018°	80 80 39.8 ^d 35° 80	1640 320 960 310 ^p 400	3,630
Living Room	Walls Walls (adjoining garage) Glass Floor Infiltration (1½) ^b	267 sq ft 94 sq ft 50 sq ft 294 sq ft 3745 cfb ^b	0.28 0.39 ^f 0.45 0.45 0.018°	80 35° 80 80 80	5980 1280 ^p 1800 5400	14,460
Dining Room	Walls Glass (doors) Glass (windows) Floor Infiltration (1½) ⁱ	166 sq ft 35 sq ft 20 sq ft 168 sq ft 2140 cfb ^b	0.28 0.85 0.45 0.45 0.018°	80 80 80 80 80	3720 2380 720 3080	9,900
Kitchen and Entrance to Garage	Walls Walls (adjoining garage) Glass Door Floor Infiltration (1½) ^j	96 sq ft 51 sq ft 18 sq ft 17 sq ft 125 sq ft 1695 cfb ^b	0.28 0.39 ^f 0.45 0.51 0.45 0.018°	80 35° 80 35 80 80	2150 700 ^p 650 300 2300	6,100
Lavette and Vestibule	Walls Walls (adjoining garage) Glass Door Floor Infiltration (1½) ^k	82 sq ft 85 sq ft 9 sq ft 19 sq ft 30 sq ft 383 cfb ^b	0.28 0.39 ^f 0.45 0.51 0.45 0.018°	80 35° 80 80 80 80	1840 1160 ^p 320 780 550	4,650
Entrance Hall	Walls Door Ceiling Infiltration (2) ^l	39 sq ft 21 sq ft 87 sq ft 1110 cfb ^b	0.28 0.38 0.69 0.018°	80 80 39.8 ^d 80	870 640 2390 1600	5,500
Garage	Walls Glass Doors Infiltration (1½) ^m Floor Gain adjoining rooms	167 sq ft 53 sq ft 44 sq ft 2360 cfb ^b 29 ft ³	0.28 1.13 0.51 0.018° 0.81	45° 45 45 45 45	2110 2700 1010 1910 1060 -4410 ^p	4,380
Recreation Room ⁿ	Walls Glass Floor Infiltration (1) ^p	220 sq ft 8 sq ft 267 sq ft 2010 cfb ^b	0.10 1.13 0.10 0.018°	38 80 20 80	840 720 570 2890	5,020
					TOTAL	100,500