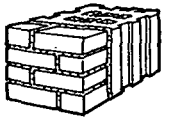
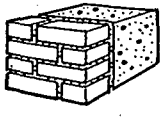
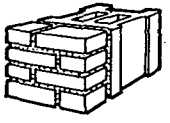
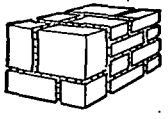
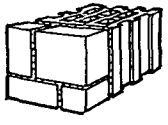
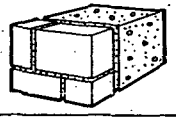
Table 4. Coefficients of Transmission (U) of Masonry Walls with Various Types of Veneers[a]

Coefficients are expressed in Btu per hour per square foot per degree Fahrenheit difference in temperature between the air on the two sides, and are based on a wind velocity of 15 mph.

Typical Construction	Type of Wall: Facing	Type of Wall: Backing	Wall No.	Interior Finish: Uninsulated Walls A	B	C	D	E	Insulated Walls F	G	H	I	J	K	L
				Plain walls—no interior finish	Plaster (½ in.) on walls	Plaster on wood lath—furred	Plaster (¾ in.) on metal lath—furred	Plaster (½ in.) on plaster board (⅜ in.)—furred	No plaster—decorated rigid or building board interior finish (½ in.)—furred	Plaster (½ in.) on rigid insulation	Plaster (½ in.) on rigid insulation (1 in.)—furred	Plaster on corkboard (1½ in.) set in cement mortar (½ in.)	Plaster on metal lath (¾ in.) attached to furring strips—furred space (over ¾-in. wide) faced one side with bright aluminum foil	Plaster (¾ in.) on metal lath attached to furring strips (2 in.[b])—rock wool fill (1½ in.[b])[f]	Plaster (¾ in.) on metal lath attached to furring strips (2 in.[b])—flexible insulation (½ in.) between furring strips (one air space)
	4 in. Brick Veneer[d]	6 in. 8 in. 10 in. 12 in. Hollow Tile[e]	20 21 22 23	0.36 0.34 0.34 0.27	0.34 0.33 0.32 0.26	0.24 0.24 0.23 0.20	0.25 0.25 0.24 0.21	0.24 0.24 0.23 0.20	0.19 0.19 0.19 0.16	0.19 0.18 0.18 0.16	0.16 0.14 0.14 0.13	0.13 0.12 0.12 0.11	0.19 0.19 0.19 0.16	0.11 0.11 0.11 0.10	0.17 0.17 0.17 0.15
	4 in. Brick Veneer[d]	6 in. 10 in. 16 in. Concrete	24 25 26	0.57 0.48 0.39	0.53 0.45 0.37	0.33 0.30 0.26	0.35 0.31 0.27	0.33 0.30 0.26	0.24 0.22 0.20	0.23 0.22 0.19	0.17 0.16 0.15	0.14 0.14 0.13	0.24 0.22 0.20	0.13 0.12 0.11	0.21 0.20 0.18
	4 in. Brick Veneer[d]	8 in. 12 in. Cinder Blocks[e]	27 28	0.35 0.31	0.33 0.30	0.24 0.22	0.25 0.23	0.24 0.22	0.19 0.18	0.18 0.17	0.14 0.14	0.12 0.12	0.19 0.18	0.11 0.11	0.17 0.16
	4 in. Brick Veneer[d]	8 in. 12 in. Concrete Blocks[e]	29 30	0.44 0.40	0.42 0.38	0.28 0.26	0.30 0.28	0.28 0.26	0.21 0.20	0.21 0.20	0.16 0.15	0.13 0.13	0.21 0.20	0.12 0.11	0.19 0.18
	4 in. Cut-Stone Veneer[d]	8 in. 12 in. 16 in. Common Brick	31 32 33	0.37 0.28 0.23	0.35 0.27 0.22	0.25 0.21 0.18	0.26 0.21 0.18	0.25 0.21 0.18	0.19 0.17 0.15	0.19 0.16 0.14	0.15 0.13 0.12	0.13 0.12 0.11	0.19 0.17 0.15	0.11 0.10 0.095	0.17 0.15 0.14
	4 in. Cut-Stone Veneer[d]	6 in. 8 in. 10 in. 12 in. Hollow Tile[e]	34 35 36 37	0.37 0.36 0.35 0.28	0.35 0.34 0.33 0.26	0.25 0.24 0.24 0.20	0.26 0.25 0.25 0.21	0.25 0.24 0.24 0.20	0.20 0.19 0.19 0.17	0.19 0.19 0.18 0.16	0.15 0.15 0.14 0.13	0.13 0.13 0.12 0.11	0.20 0.19 0.19 0.17	0.11 0.11 0.11 0.10	0.18 0.17 0.17 0.15
	4 in. Cut-Stone Veneer[d]	6 in. 10 in. 16 in. Concrete	38 39 40	0.61 0.51 0.41	0.56 0.47 0.38	0.34 0.31 0.26	0.36 0.32 0.28	0.34 0.31 0.26	0.25 0.23 0.20	0.24 0.22 0.20	0.18 0.17 0.15	0.15 0.14 0.13	0.25 0.23 0.21	0.13 0.12 0.11	0.22 0.20 0.18

[a] Computed from factors marked by * in Table 2.
[b] Based on the actual thickness of 2-in. furring strips.
[c] The 8-in., 8-in. and 10-in. tile figures are based on two cells in the direction of heat flow. The 12-in. tile is based on three cells in the direction of heat flow.

[d] Calculations include cement mortar (½ in.) between veneer or facing and backing.
[e] Based on one air cell in direction of heat flow.
[f] A waterproof membrane should be provided between the outer material and the insulation fill to prevent possible wetting by absorption and a subsequent lowering of efficiency.