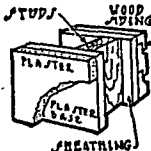
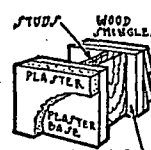
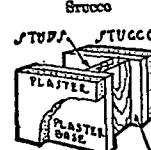
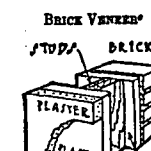


TABLE 7. COEFFICIENTS OF TRANSMISSION (*U*) OF FRAME WALLS*

These coefficients are expressed in Btu per (hour) (square foot) (Fahrenheit degree difference in temperature between the air on the two sides), and are based on an outside wind velocity of 15 mph.

NO INSULATION BETWEEN STUDS* (SEE TABLE 6)

EXTERIOR FINISH	INTERIOR FINISH	TYPE OF SHEATHING				WALL NUMBER
		Gypsum ($\frac{1}{2}$ in. thick)	PLY- WOOD ($\frac{1}{2}$ in. thick)	WOOD/ ($\frac{3}{4}$ in. thick) Bldg. Paper	INSUL- ATING BOARD ($\frac{1}{2}$ in. thick)	
		A	B	C	D	
 WOOD SIDING (Clapboard)	Metal Lath and Plaster ^a	0.23	0.32	0.26	0.20	1
	Gypsum Board ($\frac{1}{2}$ in.) Decorated	0.32	0.32	0.28	0.20	2
	Wood Lath and Plaster	0.31	0.31	0.25	0.19	3
	Gypsum Lath ($\frac{1}{4}$ in.) Plastered	0.31	0.30	0.25	0.19	4
	Plywood ($\frac{3}{4}$ in.) Plain or Decorated	0.30	0.30	0.24	0.19	5
	Insulating Board ($\frac{1}{2}$ in.) Plain or Decorated	0.23	0.33	0.19	0.16	6
	Insulating Board Lath ($\frac{1}{4}$ in.) Plastered	0.23	0.22	0.19	0.15	7
	Insulating Board Lath (1 in.) Plastered	0.17	0.17	0.15	0.12	8
 WOOD SHINGLES	Metal Lath and Plaster ^a	0.25	0.25	0.26	0.17	9
	Gypsum Board ($\frac{1}{2}$ in.) Decorated	0.25	0.25	0.26	0.17	10
	Wood Lath and Plaster	0.24	0.24	0.25	0.16	11
	Gypsum Lath ($\frac{1}{4}$ in.) Plastered	0.24	0.24	0.25	0.16	12
	Plywood ($\frac{3}{4}$ in.) Plain or Decorated	0.24	0.24	0.24	0.16	13
	Insulating Board ($\frac{1}{2}$ in.) Plain or Decorated	0.19	0.19	0.19	0.13	14
	Insulating Board Lath ($\frac{1}{4}$ in.) Plastered	0.19	0.18	0.19	0.13	15
	Insulating Board Lath (1 in.) Plastered	0.14	0.14	0.15	0.11	16
 STUCCO	Metal Lath and Plaster ^a	0.43	0.42	0.32	0.23	17
	Gypsum Board ($\frac{1}{2}$ in.) Decorated	0.42	0.41	0.31	0.23	18
	Wood Lath and Plaster	0.40	0.39	0.30	0.22	19
	Gypsum Lath ($\frac{1}{4}$ in.) Plastered	0.39	0.39	0.30	0.22	20
	Plywood ($\frac{3}{4}$ in.) Plain or Decorated	0.39	0.38	0.29	0.22	21
	Insulating Board ($\frac{1}{2}$ in.) Plain or Decorated	0.27	0.27	0.22	0.18	22
	Insulating Board Lath ($\frac{1}{4}$ in.) Plastered	0.26	0.26	0.22	0.17	23
	Insulating Board Lath (1 in.) Plastered	0.19	0.19	0.16	0.14	24
 BRICK VENEER	Metal Lath and Plaster ^a	0.37	0.36	0.28	0.21	25
	Gypsum Board ($\frac{1}{2}$ in.) Decorated	0.36	0.36	0.28	0.21	26
	Wood Lath and Plaster	0.35	0.34	0.27	0.20	27
	Gypsum Lath ($\frac{1}{4}$ in.) Plastered	0.34	0.34	0.27	0.20	28
	Plywood ($\frac{3}{4}$ in.) Plain or Decorated	0.34	0.33	0.27	0.20	29
	Insulating Board ($\frac{1}{2}$ in.) Plain or Decorated	0.25	0.25	0.21	0.17	30
	Insulating Board Lath ($\frac{1}{4}$ in.) Plastered	0.24	0.24	0.20	0.16	31
	Insulating Board Lath (1 in.) Plastered	0.18	0.18	0.15	0.13	32

(See text p. 186.) * See Table 5, Note a.

^a Coefficients not weighted; effect of studding neglected.

^b Plaster assumed $\frac{3}{4}$ in. thick.

^c Plaster assumed $\frac{1}{2}$ in. thick.

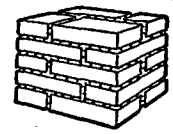
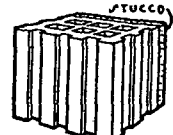
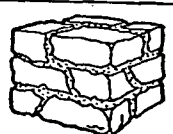
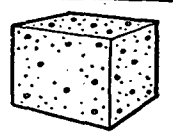
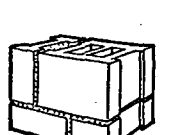
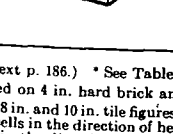
^d Furring strips (1 in. nominal thickness) between wood shingles and all sheathings except wood.

^e Small air space and mortar between building paper and brick veneer neglected.

^f Nominal thickness, 1 in.

TABLE 8. COEFFICIENTS OF TRANSMISSION (*U*) OF MASONRY WALLS*

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

TYPE OF MASONRY	THICKNESS OF MASONRY INCHES	INTERIOR FINISH (PLUS INSULATION WHERE INDICATED)									WALL NUMBER
		Plain Walls—No Interior Finish	Plaster ($\frac{1}{4}$ in.) on Walls	Metal Lath and Plaster ^a Furred ^b	Gypsum Board ($\frac{1}{4}$ in.) Decorated—Furred ^c	Gypsum Lath ($\frac{1}{4}$ in.) Plastered—Furred ^d	Insulating Board ($\frac{1}{4}$ in.) Plain or Decorated—Furred ^e	Insulating Board Lath ($\frac{1}{4}$ in.) Plastered—Furred ^f	Insulating Board Lath (1 in.) Plastered—Furred ^g	Gypsum Lath Plastered Plus 1 in. Blanket Insulation—Furred ^h	
		A	B	C	D	E	F	G	H	I	
 SOLID BRICK	8	0.50	0.46 ^b	0.32	0.31	0.30	0.22	0.22	0.16	0.14	67
	12	0.36	0.34	0.25	0.25	0.24	0.19	0.19	0.14	0.13	68
	16	0.28	0.27	0.21	0.21	0.20	0.17	0.16	0.13	0.12	69
 HOLLOW TILE (Stucco Exterior Finish)	8	0.40	0.37	0.27	0.27	0.26	0.20	0.20	0.15	0.13	70
	10	0.39	0.37	0.27	0.27	0.26	0.20	0.19	0.15	0.13	71
	12	0.30	0.28	0.22	0.22	0.21	0.17	0.17	0.13	0.12	72
 STONE	8	0.70	0.64	0.39	0.38	0.36	0.26	0.25	0.18	0.16	74
	12	0.57	0.53	0.35	0.34	0.33	0.24	0.23	0.17	0.15	75
	16	0.49	0.45	0.31	0.31	0.29	0.22	0.22	0.16	0.14	76
 POURED CONCRETE	8	0.79	0.71	0.42	0.41	0.39	0.27	0.26	0.19	0.16	78
	10	0.70	0.64	0.39	0.38	0.36	0.26	0.25	0.18	0.16	79
	12	0.63	0.58	0.37	0.36	0.34	0.25	0.24	0.18	0.15	80
 HOLLOW CONCRETE BLOCK	8	0.56	0.52	0.34	0.34	0.32	0.24	0.23	0.17	0.15	82
	12	0.49	0.46	0.32	0.31	0.30	0.22	0.22	0.16	0.14	83
	16	0.41	0.39	0.28	0.28	0.27	0.21	0.20	0.15	0.13	84
 LIGHT WEIGHT AGGREGATE	8	0.36	0.34	0.26	0.25	0.24	0.19	0.19	0.15	0.13	86
	12	0.34	0.33	0.25	0.24	0.24	0.19	0.18	0.14	0.13	87

(See text p. 186.) * See Table 5 Note a.

^a Based on 4 in. hard brick and remainder common brick.

^b The 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. The 16 in. tile consists of one 10 in. and one 6 in. tile, each having two cells in the direction of heat flow.

^c Limestone or sandstone.

^d These figures may be used with sufficient accuracy for concrete walls with stucco exterior finish.

^e Expanded slag, burned clay or pumice.

^f Thickness of plaster assumed $\frac{1}{2}$ in.

^g Thickness of plaster assumed $\frac{1}{2}$ in.

^h Based on 2 in. furring strips; one air space.