

Scale 3/4" = 1'-0"

MAP SHOWING TEMPERATURE ZONES

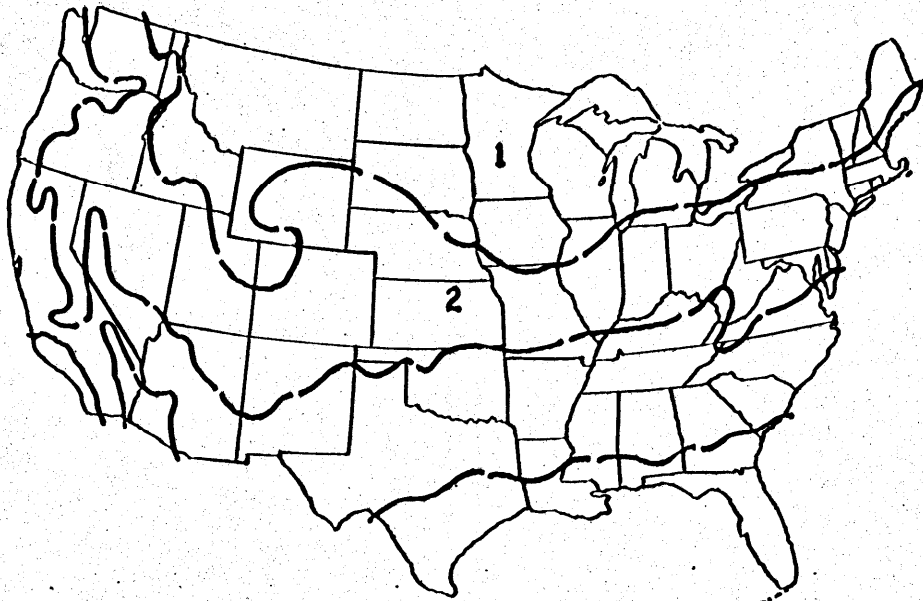


TABLE DESCRIBING SUGGESTED WALL & CEILING CONSTRUCTION FOR VARIOUS TEMP. ZONES

ZONE	WALL CONSTRUCTION				CEILING CONSTRUCTION			VAPOR BARRIER
	WALL UNITS	INSULATION	INSIDE FINISH	APPR. R. VALUE	INSULATION	INSIDE FINISH	APPR. R. VALUE	
I	8" con. masonry or struct. clay tile	none	3/4" D & M boards	4.48	2 1/2" insul. board	Asbestos cement or hard board	5.55	Ceiling
II	8" con. masonry or struct. clay tile	2 1/2" insul. board	Asbestos cement, hard board or plaster	5.93	2" commercial or 3" dry shavings	Wood, asbestos cement, hard board or plywood	10.60	Walls & ceiling
III	8" con. masonry or struct. clay tile	Voids filled with granular insul.	optional	5.00	"	"	10.60	Walls & ceiling
IV	4" con. masonry or struct. clay tile	none	3/4" cement plaster	3.75	3 1/2" insul. board	Asbestos cement or hard board	5.55	Ceiling
IV	4" con. masonry or struct. clay tile	Cavity filled with granular insul.	optional	7.00	2" commercial or 3" dry shavings	Wood, asbestos cement, hard board or plywood	10.60	Walls & ceiling
V	4" con. masonry or struct. clay tile	none	3/4" D & M boards	5.73	"	"	10.60	Ceiling
VI	4" con. masonry or struct. clay tile	2 1/2" insul. board	Asbestos cement, hard board or plaster	7.18	"	"	10.60	Walls & ceiling

Ceiling constructions need not be used with wall construction shown and may be used with any other wall construction suitable for the same zone.

NOTE:
 (1) Vapor barriers to be building paper infused and coated with asphalt or metal foil.
 (2) Vapor barrier to be 2 coats asphalt base aluminum-flake paint applied to inside surface.
 (3) Plywood to be exterior type.
 (4) 8'-0" to be used with Manger (A) 8'-6" to be used with Manger (B) or (C). See Dwg. 5661 for details.
 (5) For details of roof trusses see dwgs. EX. 5658 for 34 ft. & 36 ft. barns and EX. 5665 for 38 ft. barns.

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
 STATE OF MISSISSIPPI
 MISSISSIPPI STATE UNIVERSITY
 AND
 UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING
 BARN WALL & CEILING CONSTRUCTION
 1-STORY MASONRY BARN
 U.S.D.A. '49 EX. 5669 SHEET 1 OF 1