



MAP SHOWING TEMPERATURE ZONES	TABLE DESCRIBING SUGGESTED WALL & CEILING CONSTRUCTION FOR VARIOUS TEMP. ZONES											
	WALL CONSTRUCTION					CEILING CONSTRUCTION					VAPOR BARRIER	ZONE
	WALL UNITS	INSULATION	INSIDE FINISH	APPR. VALUE	INSULATION	INSIDE FINISH	APPR. VALUE					
I	8" con. masonry or struct. clay tile	none	3/4" D & M boards	4.48	3/8" insul board	none	6.74	Ceiling	2 average			
II	8" con. masonry or struct. clay tile	3/8" insul board	1/4" asbestos cement, hard board or plywood	5.23	3/8" insul board	3/4" D & M boards	7.87	Walls & ceiling	1 average			
III	8" con. masonry or struct. clay tile	voids filled with granular insul.	none	5.00	3" dry shavings	1/4" asbestos cement, hard board or plywood	12.10	Walls & ceiling	1 cold part			
IV	8" con. masonry or struct. clay tile	none	3/4" cement plaster	3.75	none	3/4" D & M boards	5.68	none	2 warm part			
IV	8" con. masonry or struct. clay tile	Cavity filled with granular insulation	none	6.94	2" blank, bat or fill insulation	1/4" asbestos cement, hard board or plywood	12.10	Walls & ceiling	1 cold part			
V	8" con. masonry or struct. clay tile	none	3/4" D & M boards	5.58	3/8" insul board	3/8" insul board	7.13	Ceiling	1 warm part 2 cold part			
VI	8" con. masonry or struct. clay tile	3/8" insul board	1/4" asbestos cement, hard board or plywood	7.18	Reflective insul. with air space each side	3/4" D & M boards	9.00	Walls	1 cold part			

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) In hurricane areas, top masonry walls with 8"x8" concrete beam reinforced over openings.
 (5) 8'-0" to be used with Manger (A), (B) or (C). 8'-6" to be used with Manger. See Dwg. 3661 for details.

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
 AND
 UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING
 BARN WALL & CEILING CONSTRUCTION
 1 1/2-STORY MASONRY BARN
 U.S.D.A. '48 EX. 8670 SHEET 1 OF 1
 5670

CONSTRUCTION