



MAP SHOWING TEMPERATURE ZONES

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

WALL UNITS	WALL CONSTRUCTION		CEILING CONSTRUCTION		VAPOR BARRIER	TEMP. ZONE
	INSULATION	INSIDE FINISH	INSULATION	INSIDE FINISH		
I 8" concrete masonry or structural clay tile	none	3/4" D & M boards	1/2" insul board	none	Ceiling	2 (average)
II 8" concrete masonry or structural clay tile	1/2" insul board	1/2" asbestos cement hard board or plywood	1/2" insul board	1/2" D & M boards	Walls & ceiling	1 (average)
III 8" concrete masonry or structural clay tile	Voids filled with granular insul.	none	3 dry shavings	1/2" asbestos cement hard board or plywood	Walls & ceiling	1 (old part)
IV 8" concrete masonry or structural clay tile	none	3/4" cement plaster	none	1/2" D & M boards	none	2 (warm part)
V 8" concrete masonry or structural clay tile	Cavity filled with granular insulation	none	2" blanket bat or fill insulation	1/2" asbestos cement hard board or plywood	Walls & ceiling	1 (old part)
VI 8" concrete masonry or structural clay tile	1/2" insul board	1/2" asbestos cement hard board or plywood	1/2" insul board	1/2" asbestos cement hard board or plywood	Ceiling	2 (warm part)
VI 8" concrete masonry or structural clay tile	1/2" insul board	1/2" asbestos cement hard board or plywood	1/2" insul with air space on side	1/2" D & M boards	Walls	1 (old part)

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 5:
 (1) Vapor barriers to be building paper, impregnated 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 opening.
 (5) 8'-0" to be used with Manager (A) or (C).
 8'-6" to be used with Manager (B) or (C).
 See Dwg. 5661 for details.

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

UNITED STATES DEPARTMENT OF AGRICULTURE

BARN WALL & CEILING CONSTRUCTION
2-STORY MASONRY BARN

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