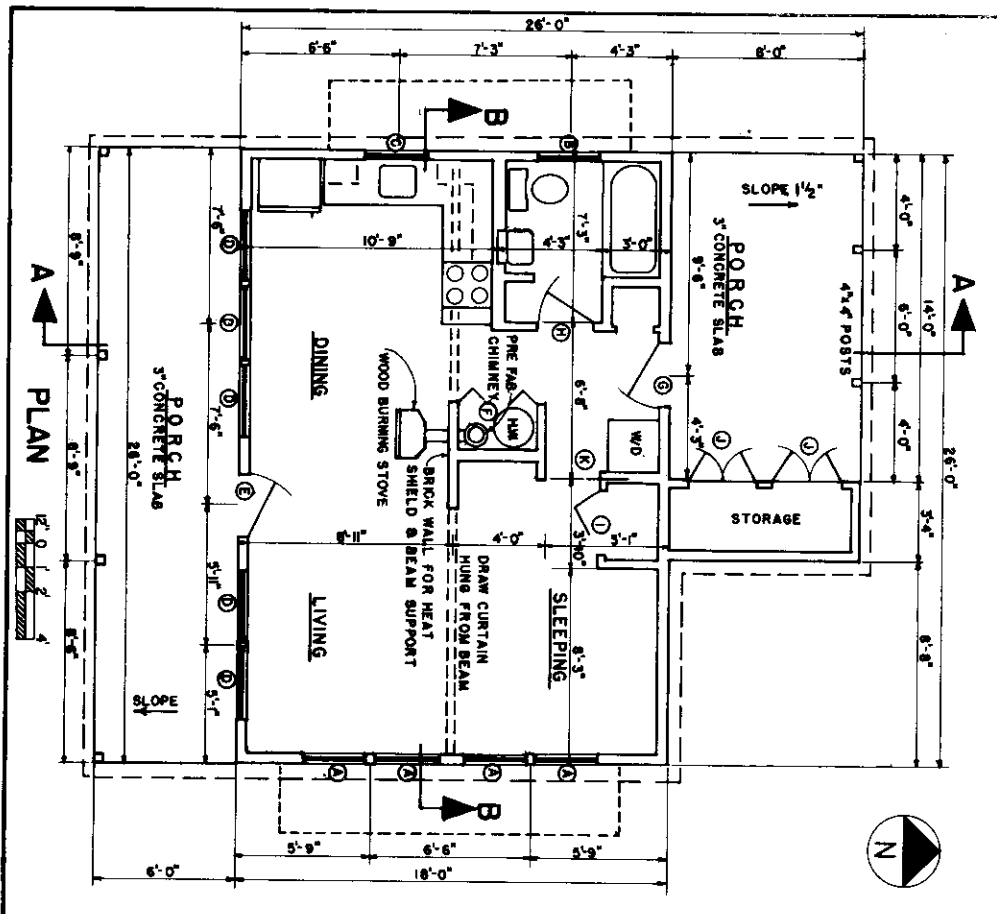
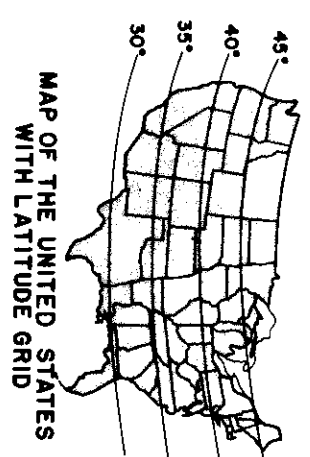


ELEVATIONS



PLAN

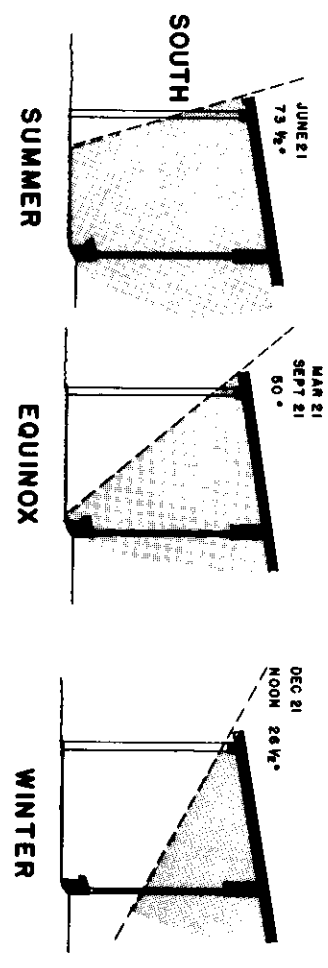


MAP OF THE UNITED STATES WITH LATITUDE GRID

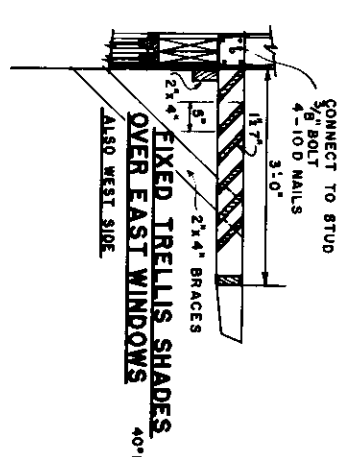
ROOF OVERHANG NECESSARY TO SHADE WINDOWS ON A SOUTHERN EXPOSURE

72°	60"	48"	42"	35"	30"
70°	60"	48"	42"	36"	30"
68°	60"	48"	42"	36"	30"
66°	60"	48"	42"	36"	30"
64°	60"	48"	42"	36"	30"
62°	51"	41"	36"	30"	26"
60°	42"	34"	29"	25"	21"
58°	33"	27"	23"	20"	17"
40°	33"	27"	23"	20"	17"

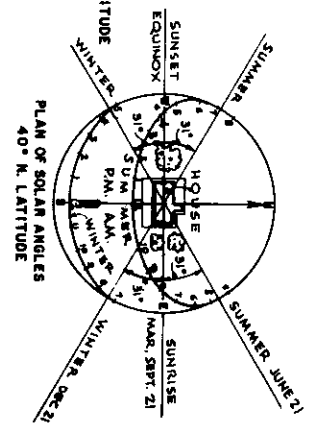
*VERTICAL DISTANCE BETWEEN EAVE * AND BOTTOM OF WINDOW.



SEASONAL SOUTH ANGLE OF THE SUN AT NOON FOR 40° NORTH LATITUDE



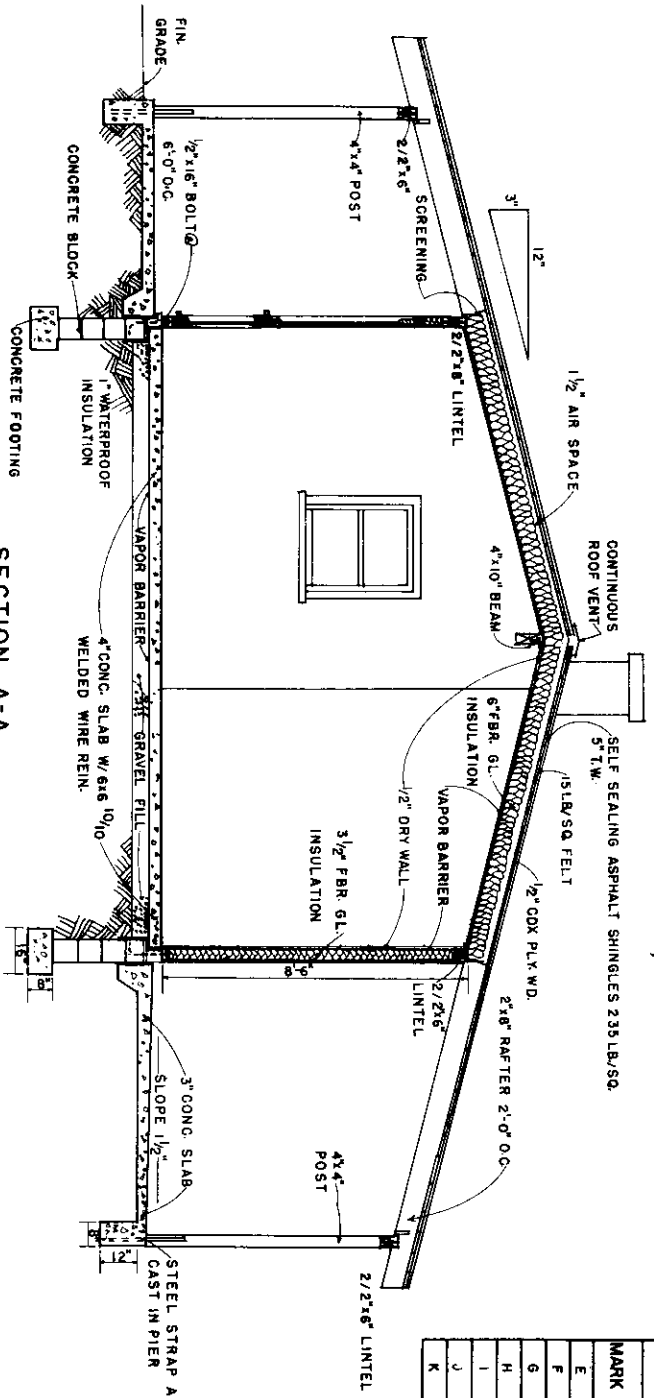
FIXED TRELLIS SHADES OVER EAST WINDOWS ALSO WEST SIDE



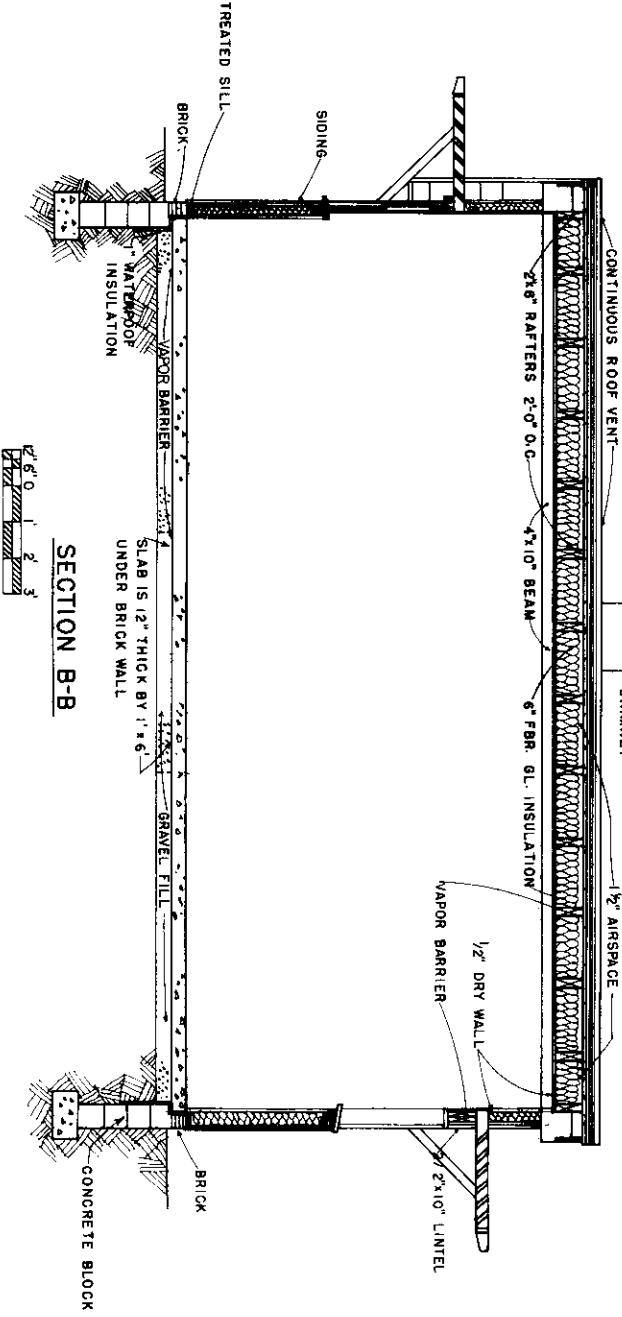
PLAN OF SOLAR ANGLES 40° N. LATITUDE

PORCH PROVIDES SUMMER SHADING OF SOUTHERN EXPOSURE. TRELLIS BRINGS SHADE EASTERN AND WESTERN EXPOSURES.

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
 UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING AND
 SOLAR SHADED COTTAGE
 U.S.D.A. '61 EX 7148 SHEET 1 OF 2
 REVISED 1963



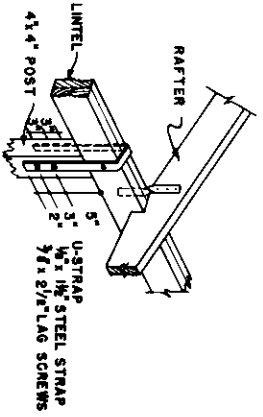
SECTION A-A



SECTION B-B

DOOR SCHEDULE		
MARK	SIZE	TYPE
E	2'-6" x 6'-8"	WOOD SOLID CORE-EXTERIOR
F	3'-0" x 6'-8"	WOOD BIFOLD-INTERIOR
G	2'-6" x 6'-8"	WOOD SOLID CORE W/LIGHTS-EXT
H	2'-6" x 6'-8"	WOOD HOLLOW CORE-INTERIOR
I	3'-6" x 6'-8"	WOOD LOUVERED BIFOLD-INTERIOR
J	1'-6" x 5'-0"	WOOD PANEL-EXTERIOR
K	2'-3" x 6'-8"	WOOD POCKET-INTERIOR

WINDOW SCHEDULE		
MARK	SIZE	TYPE
A	2'-6" x 2'-6"	DOUBLE HUNG SASH
B	3'-0" x 2'-6"	"
C	2'-8" x 3'-0"	"
D	3'-0" x 4'-0"	COMBINATION FIXED/awning



CONNECTION OF RAFTERS AND POSTS TO LINTELS
NO SCALE

CONSTRUCTION CHECK LIST

1. CHECK LOCAL BUILDING CODE & LOAN COMPANY CRITERIA (RAFTERS MEET 40 LB/FT² SNOW LOAD CRITERIA).
2. ADEQUATELY NAIL & ANCHOR JOINTS.
3. SHEATH WITH 1/2" PLYWOOD OR HIGH DENSITY FIBERBOARD OR USE DIAGONAL BRACING IN CORNERS.
4. USE EXTERIOR GLUED PLYWOOD WHEREVER IT MAY BE WETTED DURING OR AFTER CONSTRUCTION.
5. PRESSURE TREAT ALL WOOD WITH GROUND CONTACT AND PROVIDE OTHER NEEDED TERMITE CONTROL.
6. R VALUES DEPEND ON LOCAL CLIMATE AND FUEL COST.
7. PROVIDE 1 SQ FT OF ATTIC VENT OPENINGS FOR EACH 150 SQ FT OF CEILING.
8. WEATHERIZE ALL OPENINGS & JOINTS.

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SOLAR SHADED COTTAGE

U.S.D.A. 61 EX 7148 SHEET 2 OF 2

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