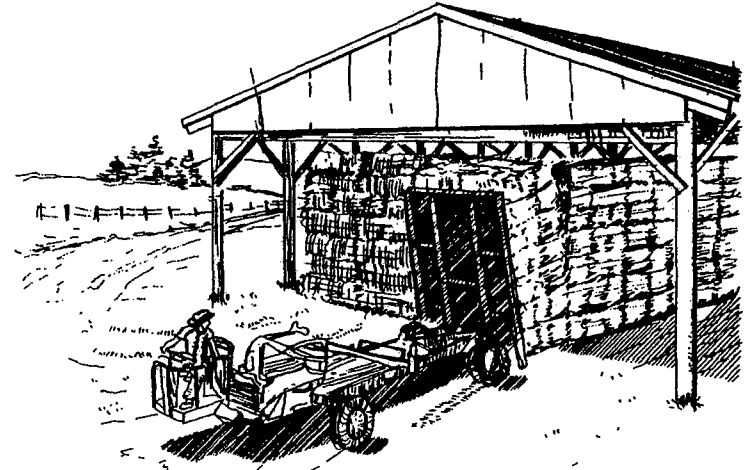
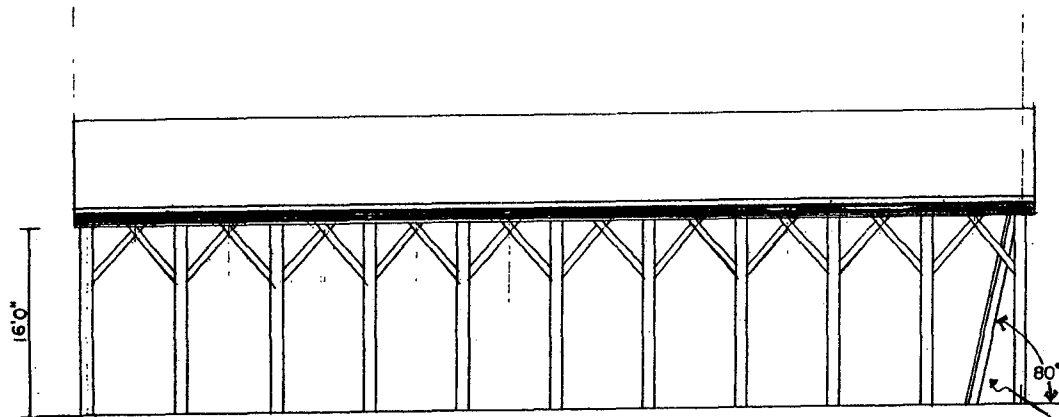


ELEVATION

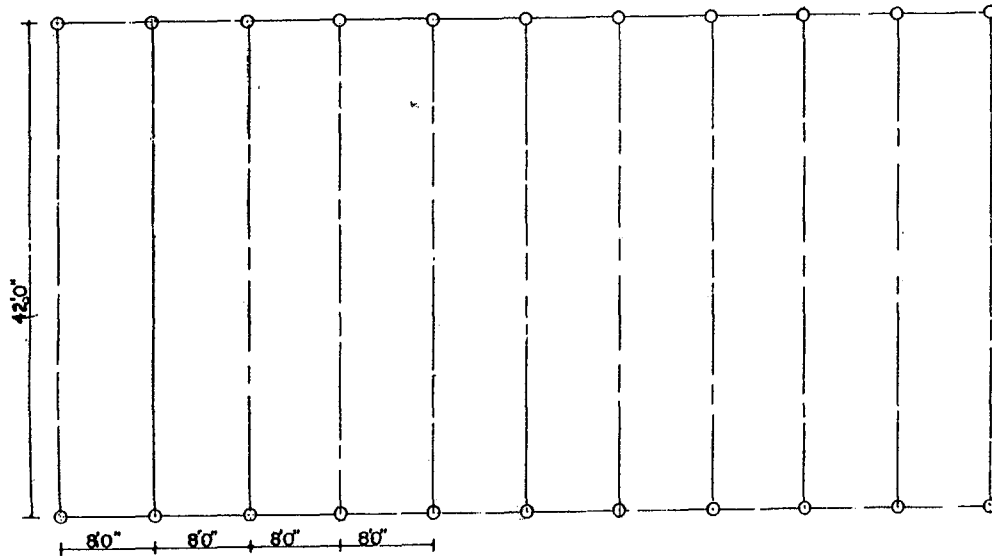
SET 20' LONG 6" TOP ROUND TREATED POLES 8'0" O.C.
SET 42' SPAN TRUSSES 8'0" O.C.




PERSPECTIVE

TILTED BACK WALL
FOR STABILIZER
INDEPENDENT OF
BUILDING

PLAN



	
HAY STORAGE SHELTER	
ENGINEER PLAN DEVELOPED BY UNIV. OF ARK.	SCALE 1/8" = 1'0"
DRAWN BY D.D.	SHEET 1 OF 2
TRACED BY D.D.	DATE 8-27-74 No. 20-12

A 42' TRUSS

TRUSSES TO BE SPACED 8'0" O.C.
 ONE TRUSS CAN SAFELY CARRY
 A TOTAL ROOF LOAD OF 120 LB.
 PER FT. OF SPAN AND A CEILING
 LOAD OF 60 LB. PER FT. OF SPAN

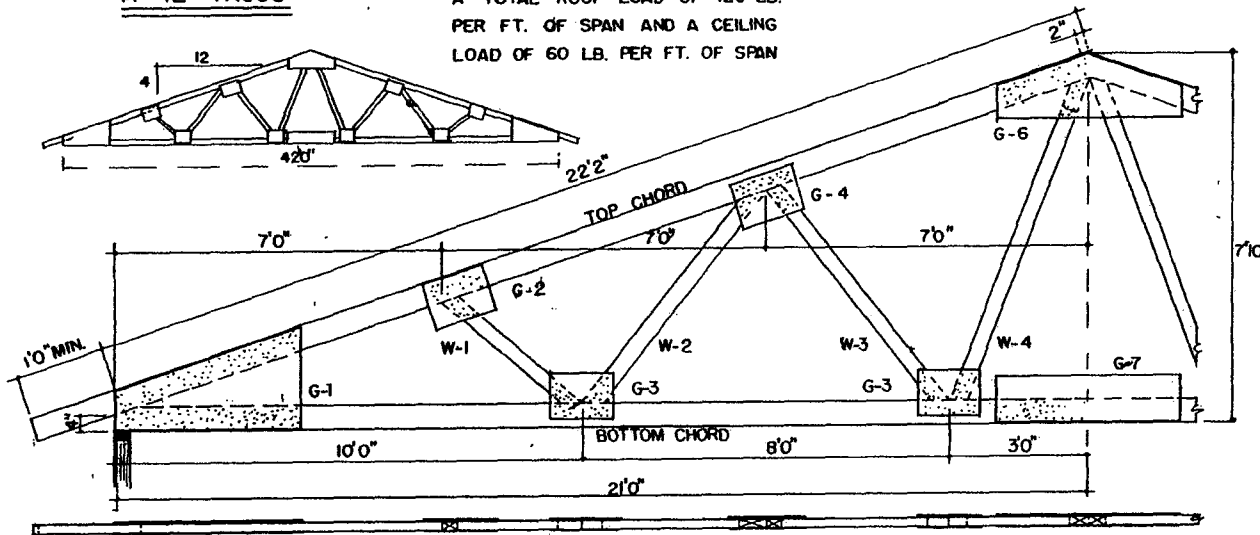
MEMBER SIZES

- TOP CHORD 2 6
- BOTTOM CHORD 2 6
- WEB MEMBERS 2 4
- G-1, G-7 1 2 PLY.
- G-2, G-3, G-4, G-5, G-6 3 8 PLY.

ALL LUMBER SHALL BE STRESS GRADED
 TO PROVIDE 1500 PSI FIBER STRESS IN
 BENDING AND 1350 PSI IN COMPRESSION.
 FABRICATE TRUSS WITH A 1" CAMBER.

SIDE VIEW

IMPORTANT: GUSSETS G-1, G-6, AND G-7,
 TO BE BOTH NAILED AND GLUED USING
 A RESORCINOL TYPE GLUE. USE CEMENT
 COATED NAILS. GUSSET BOTH SIDES OF
 TRUSS IDENTICALLY.

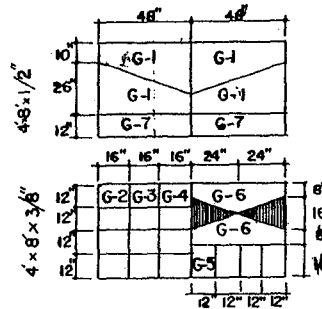


NAILING AND GLUEING SCHEDULE FOR GUSSETS

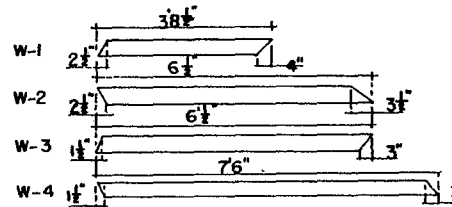
G-1	TOP CHORD	35-6	NAILS & GLUE
	BOTTOM CHORD	32-6	NAILS & GLUE
G-2	TOP CHORD	8-6	NAILS ONLY
	W-1	8-6	NAILS ONLY
G-3	W-1	8-6	NAILS ONLY
	W-2	10-6	NAILS ONLY
	BOTTOM CHORD	18-6	NAILS ONLY
G-4	TOP CHORD	22-6	NAILS ONLY
	W-2	10-6	NAILS ONLY
	W-3	12-6	NAILS ONLY
G-5	W-3	12-6	NAILS ONLY
	W-4	13-6	NAILS ONLY
	BOTTOM CHORD	25-6	NAILS ONLY
G-6	TOP CHORD	24-6	NAILS & GLUE
	W-4	13-6	NAILS ONLY
G-7	BOTTOM CHORD	20-6D	NAILS & GLUE

CUTTING DIAGRAM FOR GUSSETS

ALL PLYWOOD SHALL BE
 EXTERIOR G-C STRUCTURAL I
 ONE--- 4'-8" x 1/2" AND ONE
 4'-8" x 3/8" SHEETS PER TRUSS
 REQUIRED



WEB MEMBER CUTTING DIAGRAM



HAY STORAGE SHELTER

ENGINEER PLAN DEVELOPED	SCALE AS SHOWN
DRAWN BY BY UNIV. OF ARK.	SHEET 2 OF 2
TRACED BY D.D.	DATE 8-27-74 NO. 20-12

Disclaimer

This site makes available conceptual plans that can be helpful in developing building layouts and selecting equipment for various agricultural applications. These plans do not necessarily represent the most current technology or construction codes. They are not construction plans and do not replace the need for competent design assistance in developing safe, legal and well-functioning agricultural building system. The LSU Agriculture Center, the Mid-West Plan Service, the United States Department of Agriculture and none of the cooperating land-grant universities warranty these plans.