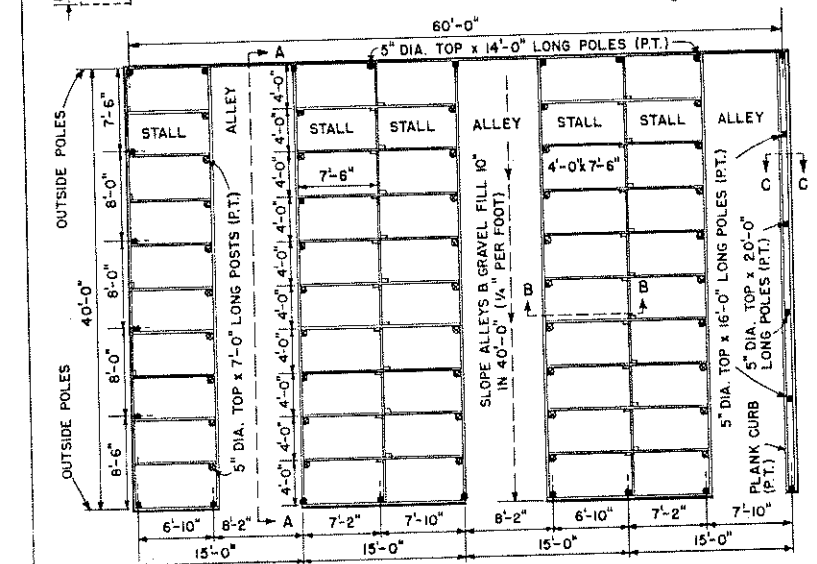
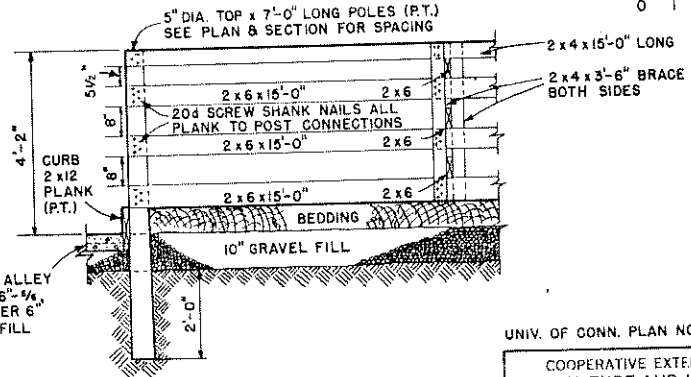


CROSS SECTION A-A

SECTION C-C



PLAN VIEW



SECTION THRU STALL B-B

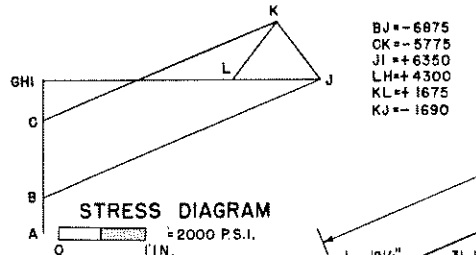
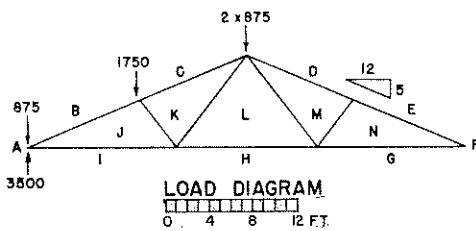
NOTE: ALL DIMENSIONS OF EXTERIOR POLES ARE CENTER TO CENTER UNLESS NOTED OTHERWISE.

UNIV. OF CONN. PLAN NO. 217A

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
 DEPARTMENT OF AGRICULTURAL ENGINEERING
 UNIVERSITY OF MARYLAND
 AND
 UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

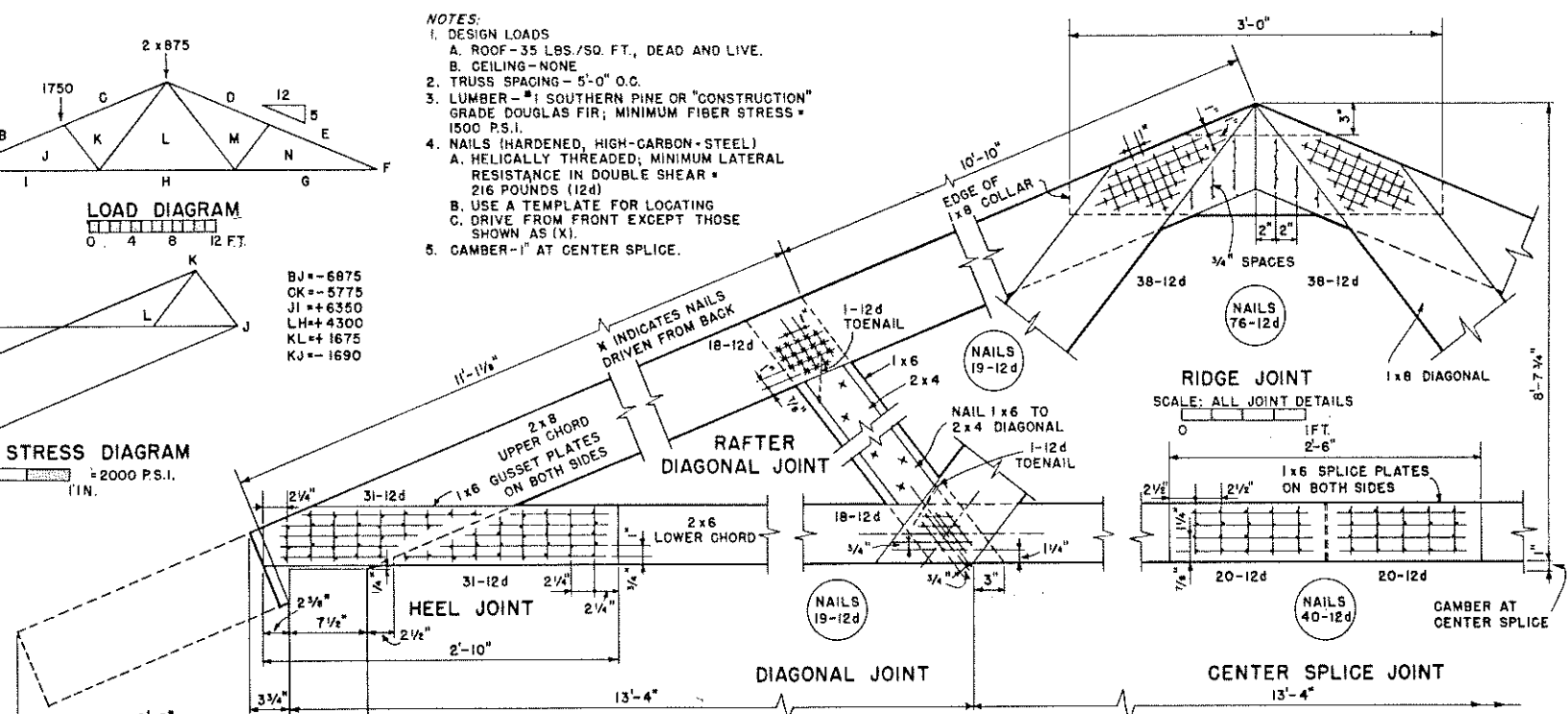
FREE-STALL BARN
 50 COWS

CONN. '67	EX. 6039	SHEET 1 OF 2
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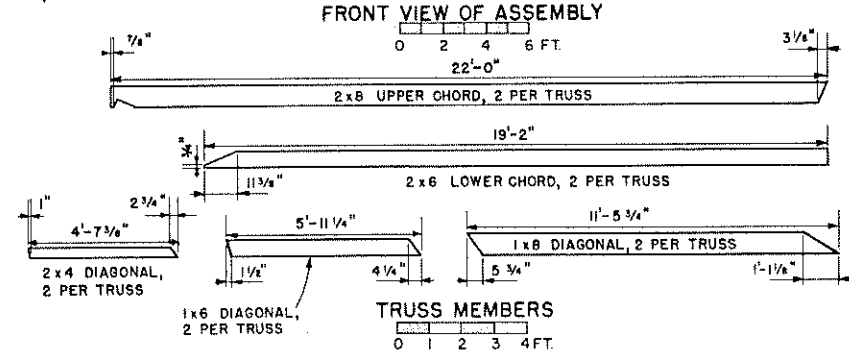
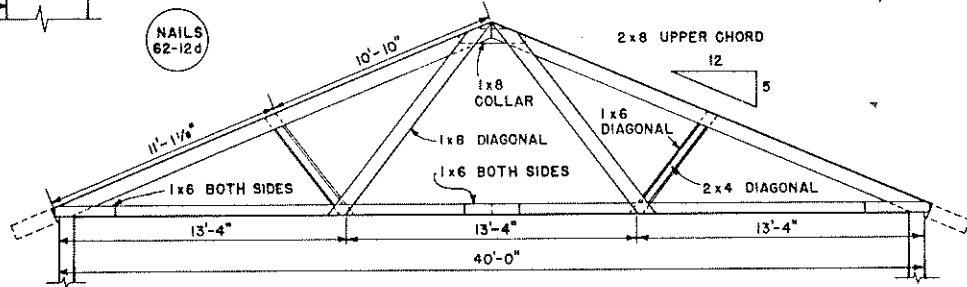
BJ--6875
 CK--5775
 JI--6350
 LH--4300
 KL--1675
 KJ--1690

- NOTES:**
- DESIGN LOADS
 - ROOF-35 LBS./SQ. FT., DEAD AND LIVE.
 - CEILING-NONE
 - TRUSS SPACING-5'-0" O.G.
 - LUMBER-#1 SOUTHERN PINE OR "CONSTRUCTION" GRADE DOUGLAS FIR; MINIMUM FIBER STRESS=1500 P.S.I.
 - NAILS (HARDENED, HIGH-CARBON-STEEL)
 - HELICALLY THREADED; MINIMUM LATERAL RESISTANCE IN DOUBLE SHEAR=216 POUNDS (12d)
 - USE A TEMPLATE FOR LOCATING
 - DRIVE FROM FRONT EXCEPT THOSE SHOWN AS (X).
 - CAMBER-1" AT CENTER SPLICE.



GENERAL NOTES

- LUMBER:**
- (P.T.) INDICATES PRESSURE TREATED MATERIAL.
 - NO. 1 SOUTHERN PINE OR DOUGLAS FIR (MIN. FIBER STRESS=1500 P.S.I.) TO BE USED FOR TRUSSES, 2-2x8s GIRDER, AND 2x4 PURLINS.
- ROOFING:**
- STEEL OR ALUMINUM-SHEET (NOT EMBOSSED) APPLIED AS PER MANUFACTURER'S SPECIFICATION
 - FASTEN TRUSSES (OVER POST) TO GIRDERS WITH STEEL STRAP OR COMMERCIAL ANCHORS. FASTEN TRUSSES BETWEEN POLES AS PER DETAIL AS SHOWN ON SHEET I.
- NAILS:**
- ALL TO BE SCREW SHANK TYPE.



SCALE: ALL JOINT DETAILS
0 1 FT. 2'-6"

BILL OF MATERIALS FOR ONE TRUSS

DESCRIPTION	SIZE	PCS.	F.B.M.
UPPER CHORD	2 x 8 x 22'-0"	2	59
LOWER CHORD	2 x 6 x 20'-0"	2	40
DIAGONALS	2 x 4 x 10'-0"	1	7
DIAGONALS	1 x 8 x 12'-0"	2	16
COLLAR	1 x 8 x 3'-0"	1	2
DIAGONALS	1 x 6 x 6'-0"	2	6
GUSSETS	1 x 6 x 6'-0"	3	9
TOTAL BOARD FEET =			139
NAILS	12d HELICALLY THREADED	216	3 LBS.

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FREE-STALL BARN
50 COWS

CONN.	'67	EX. 6039	SHEET 2 OF 2
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