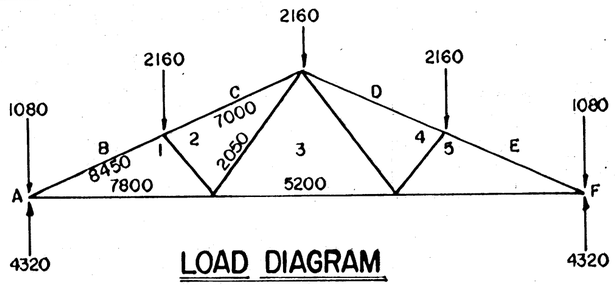
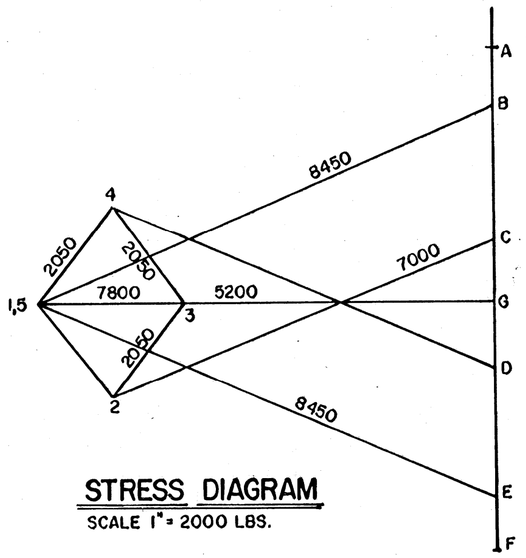


LOAD DIAGRAM

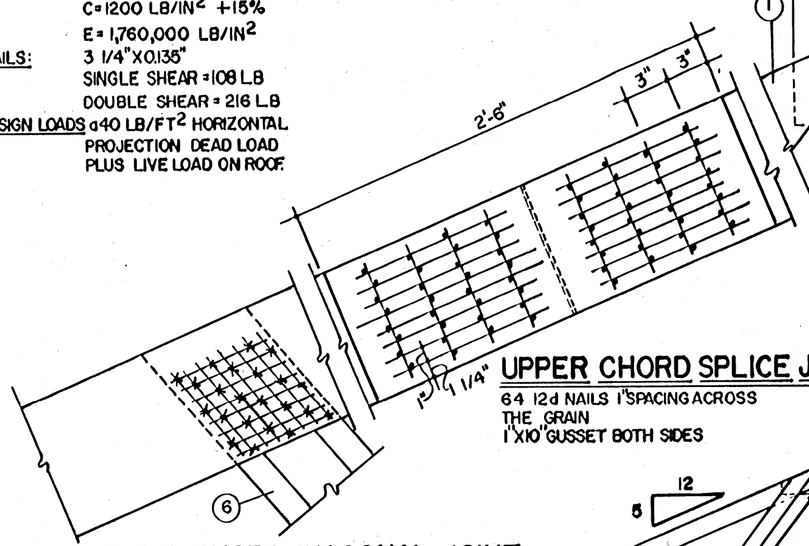


STRESS DIAGRAM

SCALE 1" = 2000 LBS.

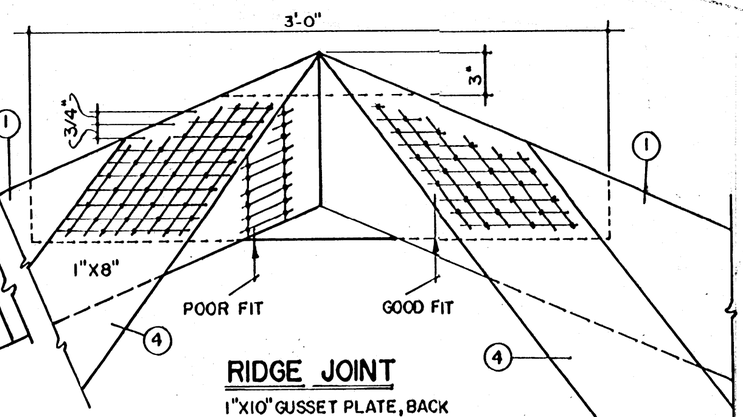
DESIGN NOTES

1. LUMBER: F = 1500 LB/IN^2 + 15%
   C = 1200 LB/IN^2 +15%
   E = 1,760,000 LB/IN^2
2. NAILS: 3 1/4" X 0.135"
   SINGLE SHEAR = 108 LB
   DOUBLE SHEAR = 216 LB
3. DESIGN LOADS 40 LB/FT^2 HORIZONTAL PROJECTION DEAD LOAD PLUS LIVE LOAD ON ROOF.



UPPER CHORD SPLICE JOINT

64 12d NAILS 1" SPACING ACROSS THE GRAIN
1"X10" GUSSET BOTH SIDES

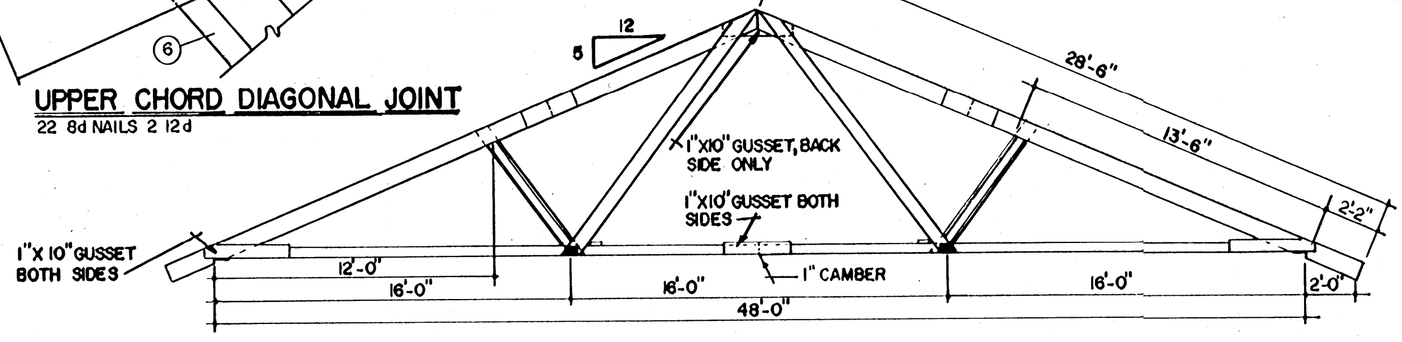


RIDGE JOINT

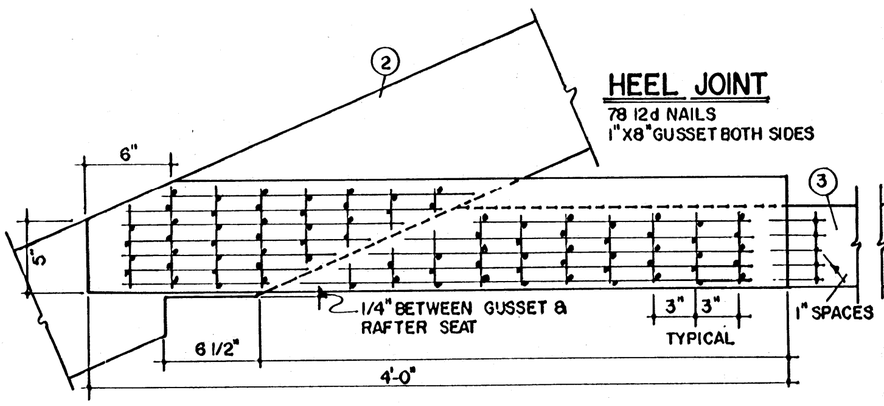
1"X10" GUSSET PLATE, BACK SIDE ONLY.
34 12d &15 8d EACH SIDE OR
24 12d NAILS EACH SIDE IF RAFTERS ARE IN GOOD BEARING

UPPER CHORD DIAGONAL JOINT

22 8d NAILS 2 12d

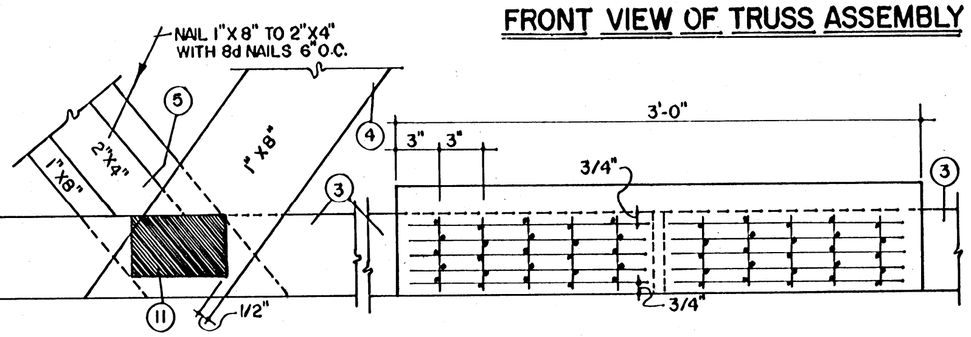


FRONT VIEW OF TRUSS ASSEMBLY



HEEL JOINT

78 12d NAILS
1"X8" GUSSET BOTH SIDES

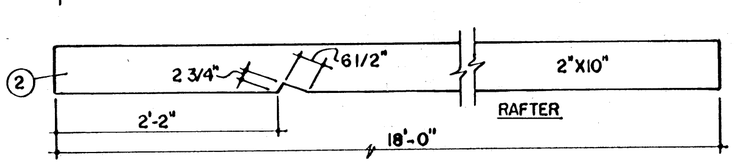


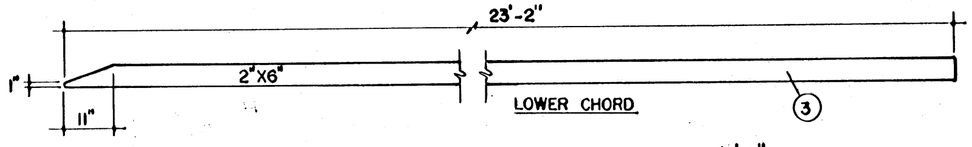
LOWER CHORD-DIAGONAL JOINT

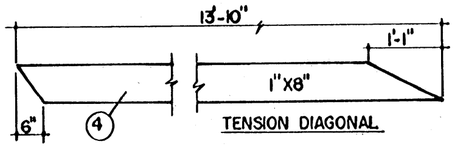
21 12d NAILS 4 METAL GUSSETS

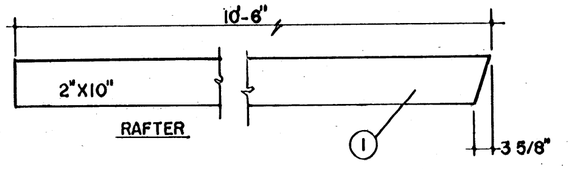
CENTER SPLICE JOINT

50 12d NAILS, 1"X8" GUSSET BOTH SIDES



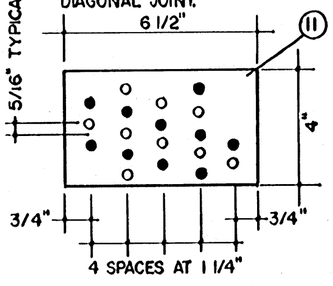


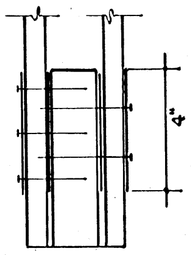




METAL GUSSET PLATE (22 GA.)

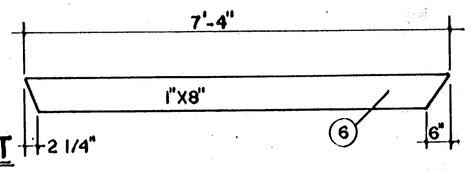
SCALE 3"=1'-0", FOR LOWER CHORD DIAGONAL JOINT.

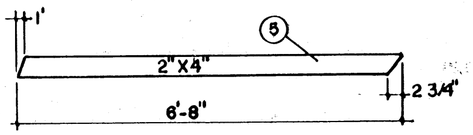




SECTION THRU LOWER CHORD-DIAGONAL JOINT

SCALE 3"=1'-0"





COMPRESSION DIAGONALS

NOTES & SPECIFICATIONS

1. LUMBER: CONSTRUCTION GRADE DOUGLAS FIR OR EQUIVALENT.
2. TRUSSES SPACED 4'-0" ON CENTERS.
3. CAMBER: 1" AT CENTER SPLICE.
4. NAILS: USE HARDENED, HELICALLY THREADED NAILS OR EQUIVALENT.
5. DRIVE ALL NAILS FROM THE FRONT EXCEPT THOSE SHOWN AS X
6. MAKE AND USE A NAILING TEMPLATE FOR LOCATING ALL NAILS.
7. MINIMUM END GRAIN NAIL SPACING, ALL MEMBERS 2 1/2"-3"
8. MINIMUM EDGE GRAIN NAIL SPACING, ALL MEMBERS 3/4"-1"

COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS
STATE OF MISSISSIPPI
MISSISSIPPI STATE UNIVERSITY
AND
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

48' NAILED TRUSS
5 IN 12 SLOPE, 4'-0" SPACING

MASS. '67	EX. 6008	SHEET 1 OF 1

DES. BY RGL DRN. BY TDB CHK. BY RGL