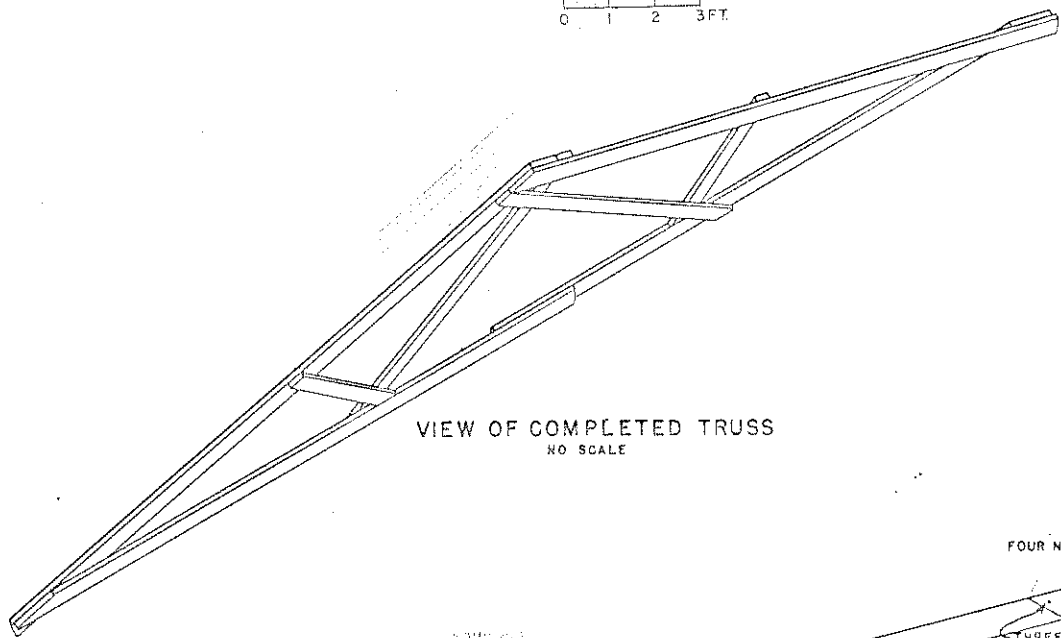


ELEVATION
0 1 2 3 FT.

WHERE SNOW OR WIND LOADS WILL NOT EXCEED....	TRUSSES MAY BE SPACED UP TO....	ROOF SHEATHING
15 LBS. PER 50. FT.	4'-0" O.C.	2" x 4" LAM. PLAT SPACED 3'-0" O.C. FOR 2" x 4" COP. METAL ROOFING ONLY
20 " " " "	2'-8" " "	1" NOMINAL SOLID WOOD SHEATHING FOR ALL ROOFING MATERIALS
25 " " " "	2'-4" " "	
30 " " " "	2'-0" " "	



VIEW OF COMPLETED TRUSS
NO SCALE

THIS TRUSS IS DESIGNED TO SUPPORT LOADS UP TO 70 LBS. PER FOOT OF SPAN, INCLUDING THE WEIGHT OF THE ROOF.

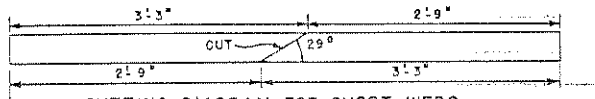
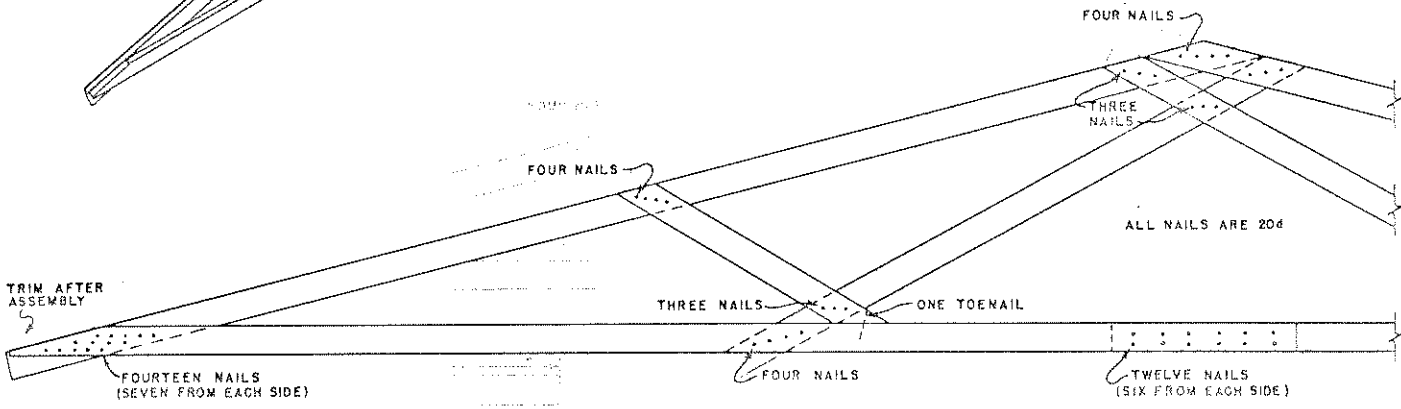
ALL LUMBER SHALL BE STRESS GRADED TO PROVIDE 1500 PSI FIBER STRESS IN BENDING, AND 1350 PSI IN COMPRESSION.

MATERIALS FOR ONE TRUSS:
 TOP CHORD..... 2 PCS. 2" x 4" x 16'-0"
 BOTTOM CHORD... 2 " " " " 2" x 4" x 16"
 LONG WEB..... 1 " " " " 2" x 4" x 16"
 SHORT WEB..... 1 " " " " 2" x 4" x 16"

NAILS..... 2 1/2 LBS. 20d COMMON

ALL PROJECTING NAILS ARE TO BE CLINCHED.

TRUSSES SHOULD BE SECURELY ANCHORED TO THE SUPPORTING STRUCTURE.



JOINT DETAILS
0 1 FT.

CUTTING DIAGRAM FOR SHORT WEBS
CHECK ANGLE ON THE JOB. ALL OTHER CUTS ARE MADE AFTER THE TRUSS IS ASSEMBLED.

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

24 FT. LAP-NAILED TRUSS
 MAX SLOPE SINGLE TOP CHORD

USDA 61 EX. 5023 SHEET OF 1