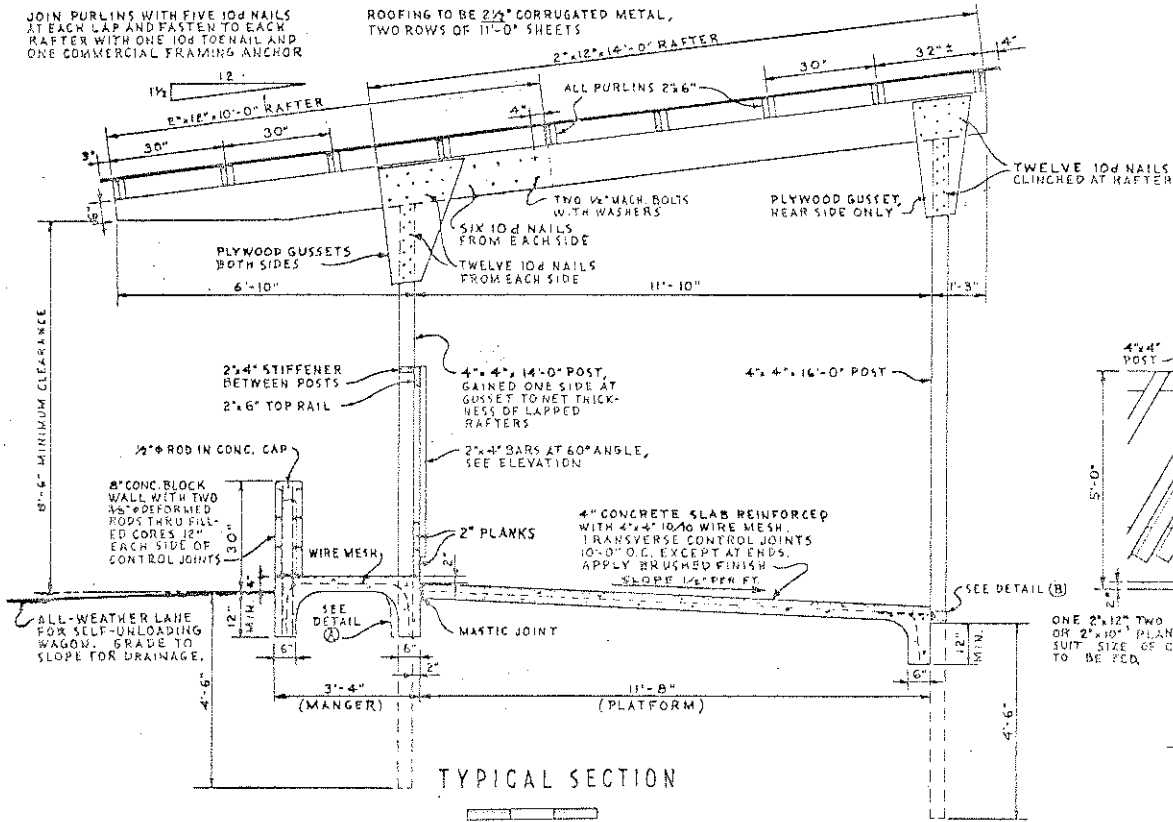


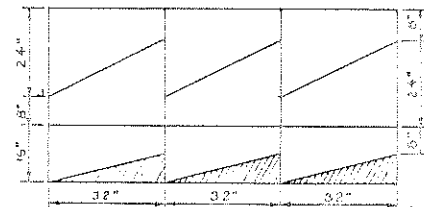
JOIN PURLINS WITH FIVE 10d NAILS AT EACH LAP AND FASTEN TO EACH RAFTER WITH ONE 10d TOENAIL AND ONE COMMERCIAL TRAINING ANCHOR

ROOFING TO BE 2 1/2" CORRUGATED METAL, TWO ROWS OF 11'-0" SHEETS

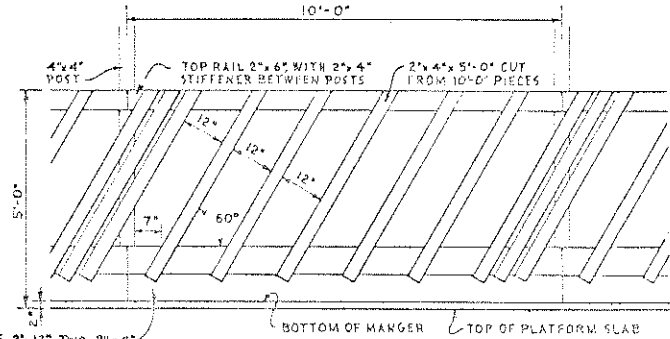


TYPICAL SECTION

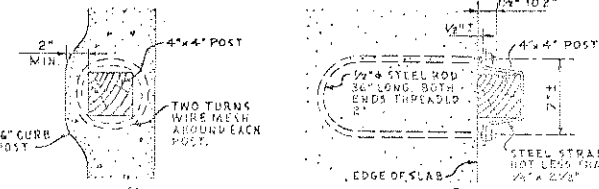
0 1 2 3 FT.



CUTTING DIAGRAM FOR GUSSETS
4" x 8" SHEETS OF 1/2" EXTERIOR GRADE PLYWOOD



FRONT ELEVATION OF MANGER

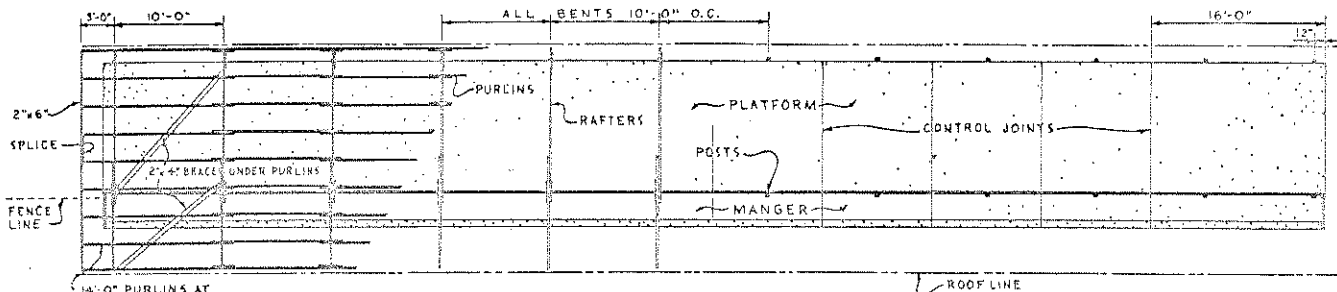


DETAIL (A)

DETAIL (B)

GENERAL NOTES

1. POSTS & PLANK MANGER FRONT SHALL BE PRESSURE-TREATED WITH PRESERVATIVE.
2. POSTS SHALL BE FULL 4" x 4" ROUGH SAWN. 5" TOP DIAMETER TREATED POLES MAY BE SUBSTITUTED IF DESIRED.
3. THIS FEEDER MAY BE BUILT ANY LENGTH, IN UNITS OF TEN FEET.
4. THE ROOF STRUCTURE IS SUITABLE FOR AREAS WHERE SNOW LOADS DO NOT EXCEED 25 LBS PER SQ. FOOT AND WINDS DO NOT EXCEED 88 MILES PER HOUR.



PLAN

0 4 8 12 FT.



SUGGESTED ORIENTATION

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

AND
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

FENCE-LINE FEEDER FOR CATTLE
TYPE A

USDA '58 EX. 5854 SHEET 1 OF 1