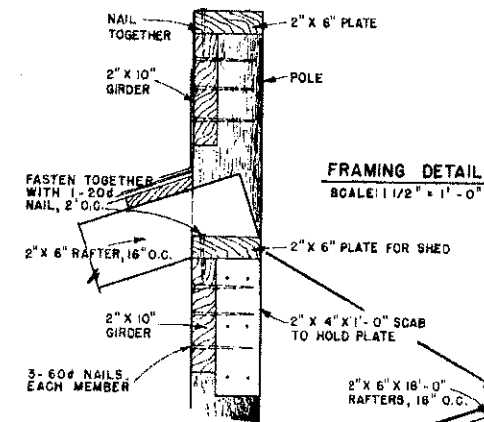


DETAIL OF MANGER
SCALE: 1/2" = 1'-0"

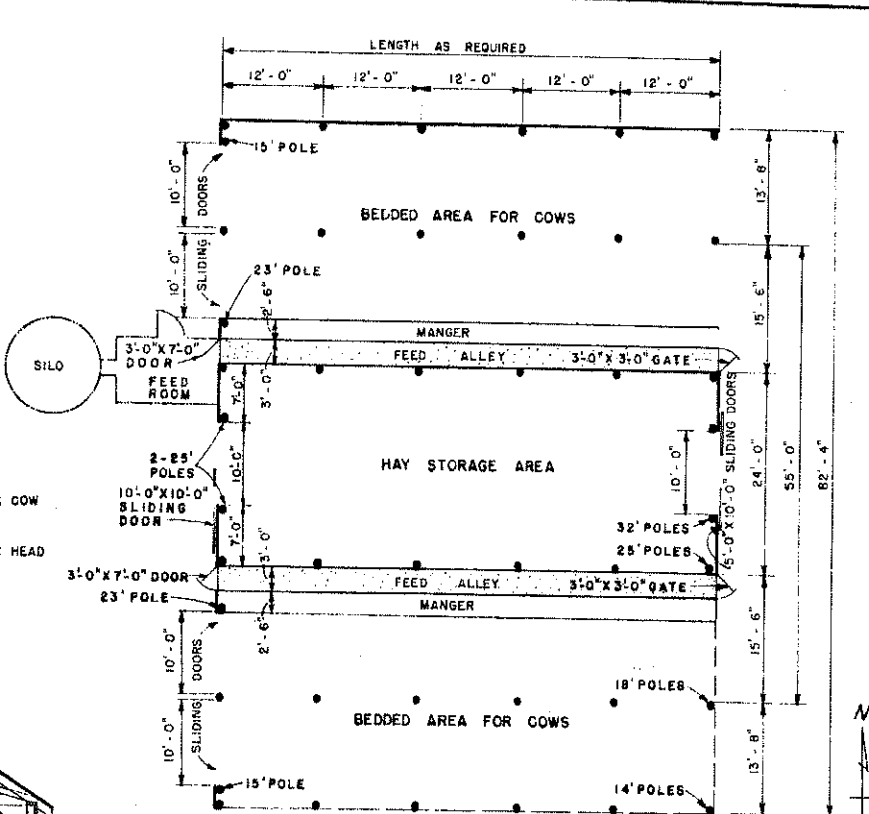


FRAMING DETAIL
SCALE: 1/2" = 1'-0"

LENGTH REQUIRED FOR DAIRY CATTLE
FLOOR AREA IN BEDDED AREA, INCLUDING MANGER, MUST BE AT LEAST 80 SQ. FT. FOR EACH DAIRY COW. ALLOW 3 FT. OF MANGER SPACE PER COW.

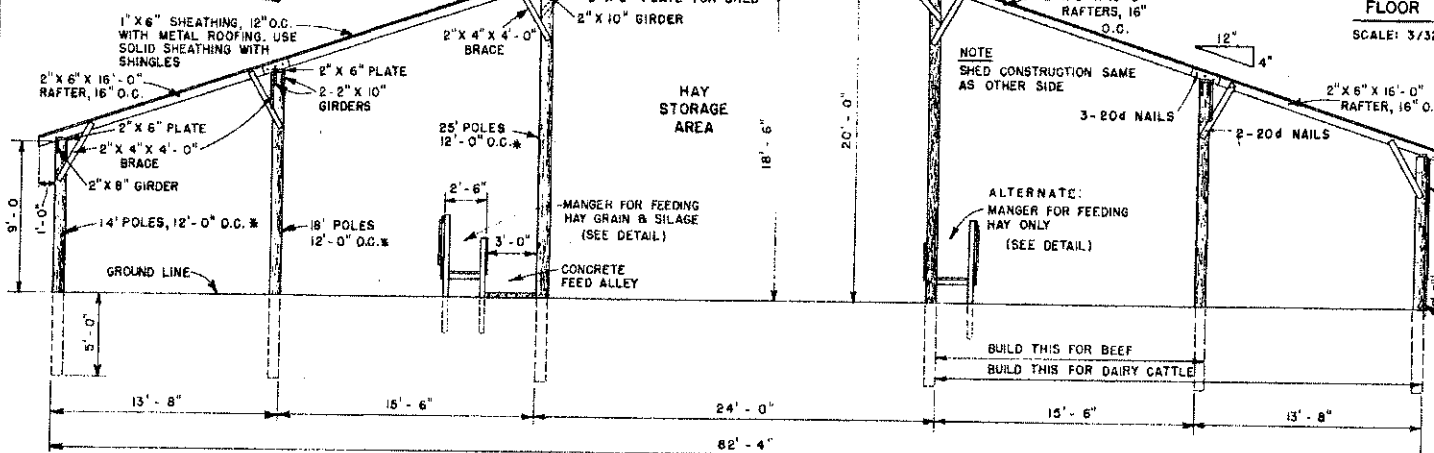
LENGTH REQUIRED FOR BEEF CATTLE
PROVIDE 3 FT. OF MANGER SPACE PER HEAD.

SEE SHEET 2 FOR CONSTRUCTION OF CENTER SECTION



FLOOR PLAN
SCALE: 3/32" = 1'-0"

NOTES:
SUGGESTED ORIENTATION SHOWN BY ARROW
LEAVE SIDING OFF SOUTH & EAST SIDES
LENGTH MAY BE INCREASED AS DESIRED



GROSS SECTION
SCALE: 3/16" = 1'-0"

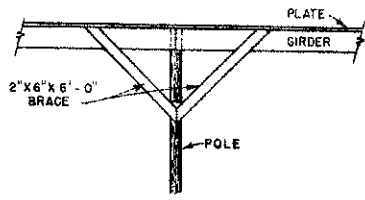
NOTE
* NET HEIGHT OF POLES SHOWN. ALLOW AN ADDITIONAL 1 TO 3 FEET OF LENGTH FOR CUTTING, ETC.

NOTE
ALL POLES SHALL HAVE A MIN. TOP DIAMETER OF 6" AND BE PLACED 5'-0" IN GROUND.
POLES AND OTHER WOOD IN CONTACT WITH THE GROUND SHOULD BE PRESERVATIVE TREATED WITH PRESERVATIVE.

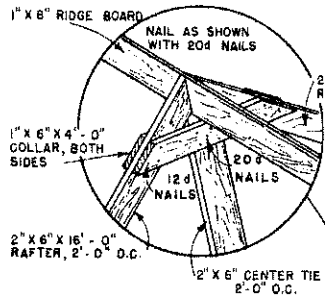
COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS
STATE OF NORTH DAKOTA
NORTH DAKOTA STATE UNIVERSITY
OF AGRICULTURE AND APPLIED SCIENCE
AND
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

CATTLE FEEDING BARN

VA. '52 EX. 5765 SHEET 1 OF 2



BRACING OF SHED POLE
SCALE: 1/4" = 1'-0"



DETAIL OF RAFTER FRAMING AT RIDGE

2" x 6" x 16'-0" RAFTER, 2'-0" O.C.

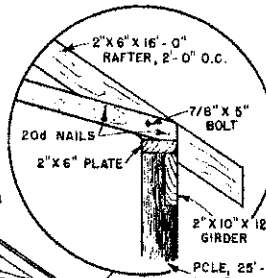
2" x 4" x 18'-0" CROSS TIE, 2'-0" O.C.

2" x 6" CENTER TIE, 2'-0" O.C.

2" x 6" x 16'-0" RAFTER, 2'-0" O.C.

2" x 4" x 10'-0" KNEE BRACE, 2'-0" O.C.

CONNECTION DETAILS OF CROSS TIE AND KNEE BRACE TO RAFTER

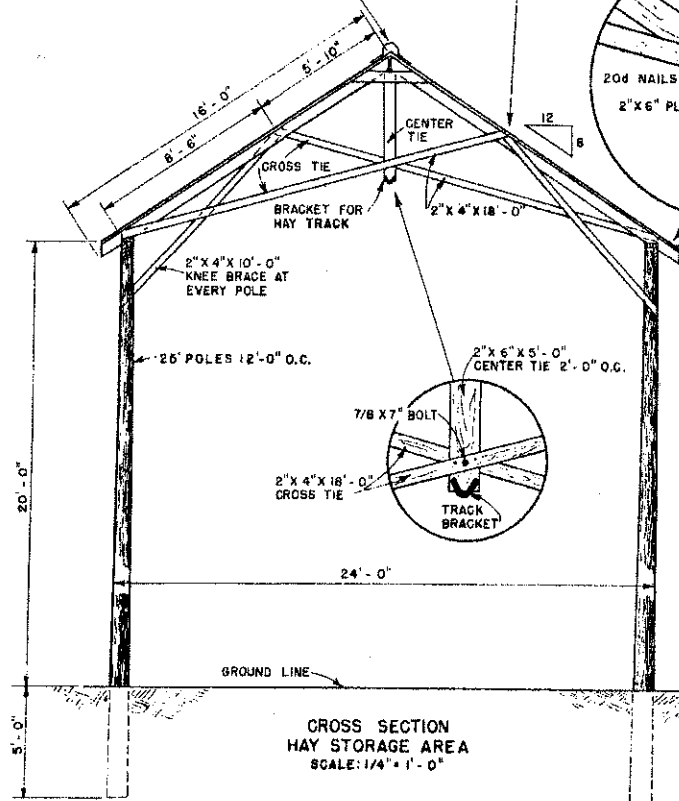


2" x 10" x 12'-0" GIRDER

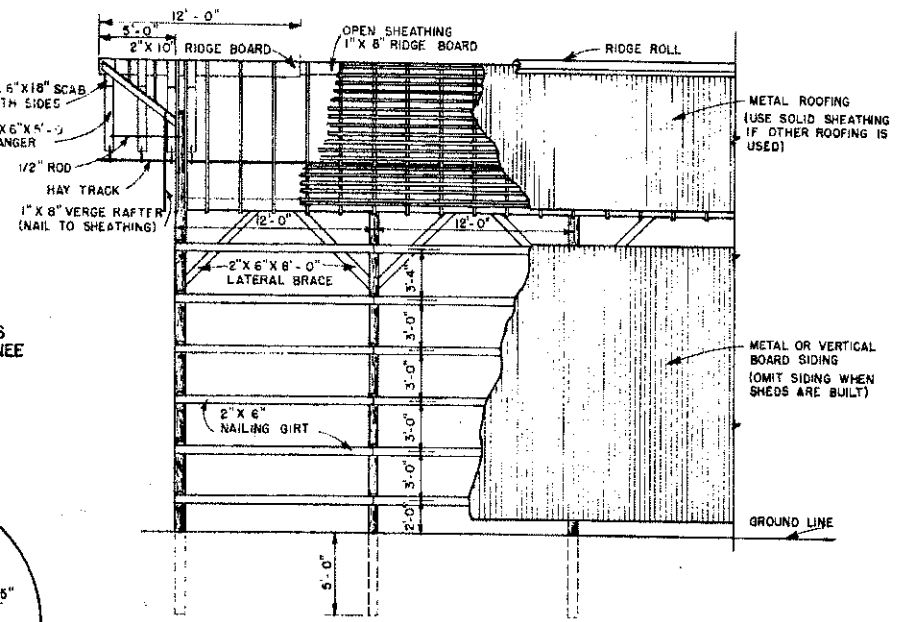
POLE, 25'-0" LONG MIN. TOP DIA., 6"

1" x 4" SHEATHING, 12" O.C. WITH METAL ROOFING. USE SOLID SHEATHING WITH SHINGLES

FASTEN 2" ROUGH LUMBER (FULL SIZE) TOGETHER WITH 20d NAILS, OR TO POLES WITH 40d NAILS. FASTEN 1" BOARDS TO 2" LUMBER WITH 16d OR 12d NAILS

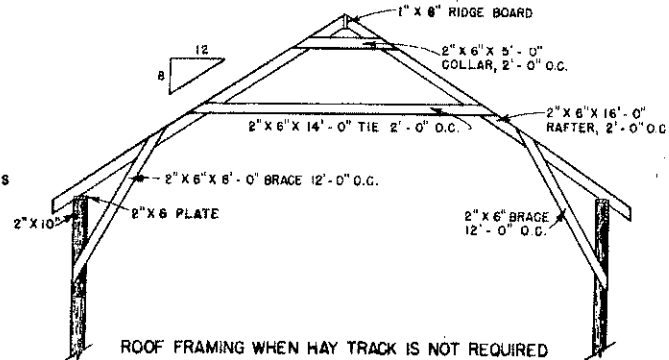


CROSS SECTION HAY STORAGE AREA
SCALE: 1/4" = 1'-0"



NOTE
WHEN HAY STORAGE UNIT IS CONSTRUCTED WITHOUT SHEDS, APPLY SIDING AS SHOWN ABOVE.

DETAILS OF SIDE FRAMING
SCALE: 3/16" = 1'-0"



ROOF FRAMING WHEN HAY TRACK IS NOT REQUIRED
SCALE: 1/4" = 1'-0"

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CATTLE FEEDING BARN

VA. '52	EX. 5765	SHEET 2 OF 2
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NOTE
THIS BUILDING IS DESIGNED FOR AREAS OF THE SOUTHERN UNITED STATES WHERE THE MAXIMUM ROOF LOAD WILL NOT EXCEED 20 POUNDS PER SQUARE FOOT.
IT SHOULD NOT BE USED IN OTHER AREAS UNLESS FRAMING IS REDESIGNED TO MEET LOCAL CONDITIONS.