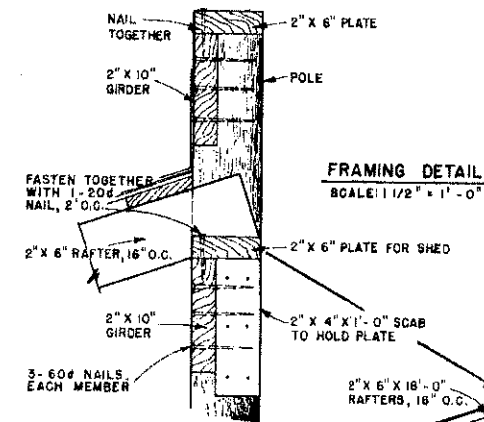


**DETAIL OF MANGER**  
SCALE: 1/2" = 1'-0"

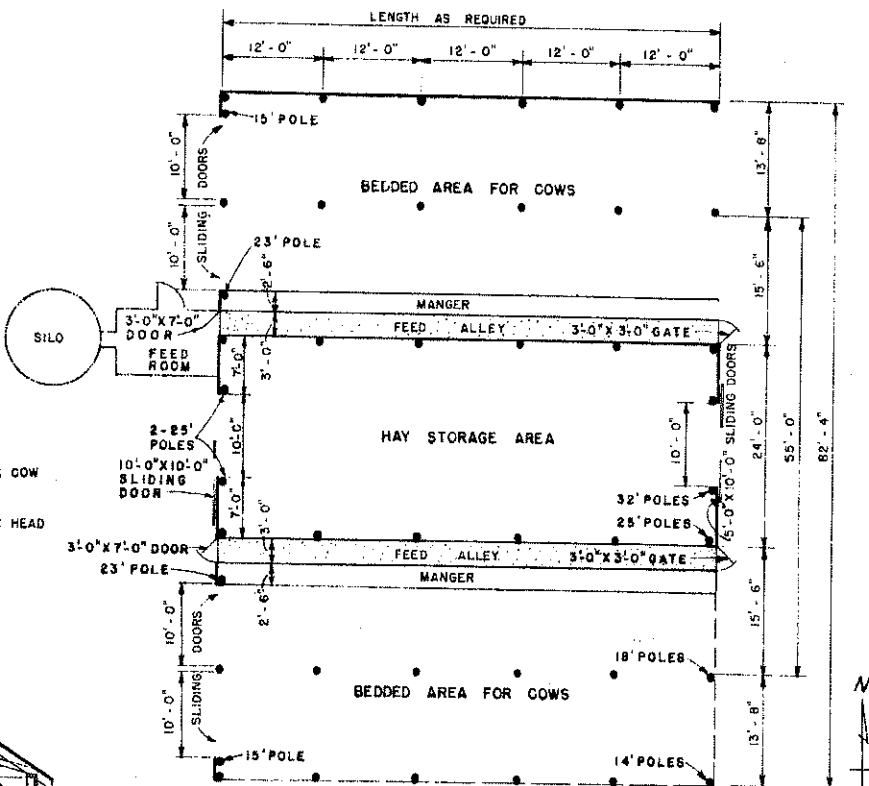


**FRAMING DETAIL**  
SCALE: 1/2" = 1'-0"

**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.

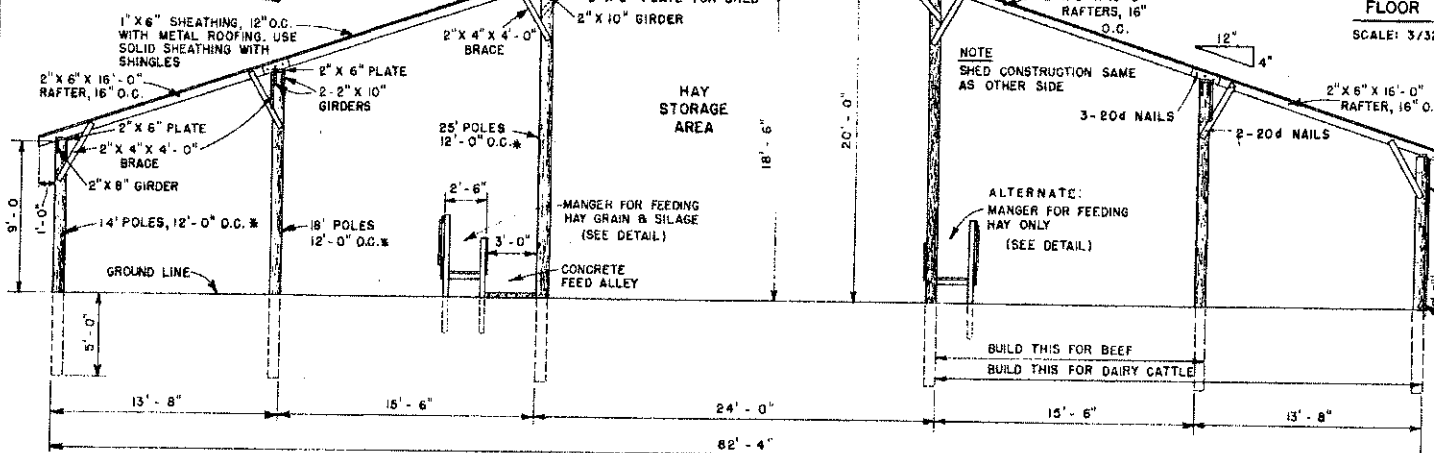
**LENGTH REQUIRED FOR BEEF CATTLE**  
PROVIDE 3 FT. OF MANGER SPACE PER HEAD.

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



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

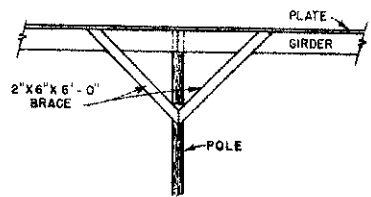
**NOTE**  
\* NET HEIGHT OF POLES SHOWN. ALLOW AN ADDITIONAL 1 TO 3 FEET OF LENGTH FOR CUTTING, ETC.

**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 PRESSURE TREATED WITH PRESERVATIVE.

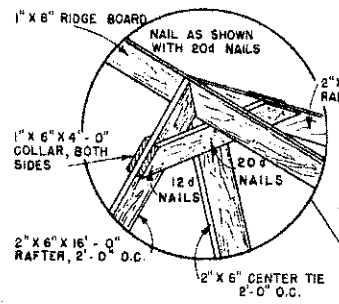
COOPERATIVE EXTENSION WORK IN  
**AGRICULTURE AND HOME ECONOMICS**  
STATE OF NORTH DAKOTA  
**NORTH DAKOTA STATE UNIVERSITY**  
OF AGRICULTURE AND APPLIED SCIENCE  
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UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

**CATTLE FEEDING BARN**

VA. '52 EX. 5765 SHEET 1 OF 2

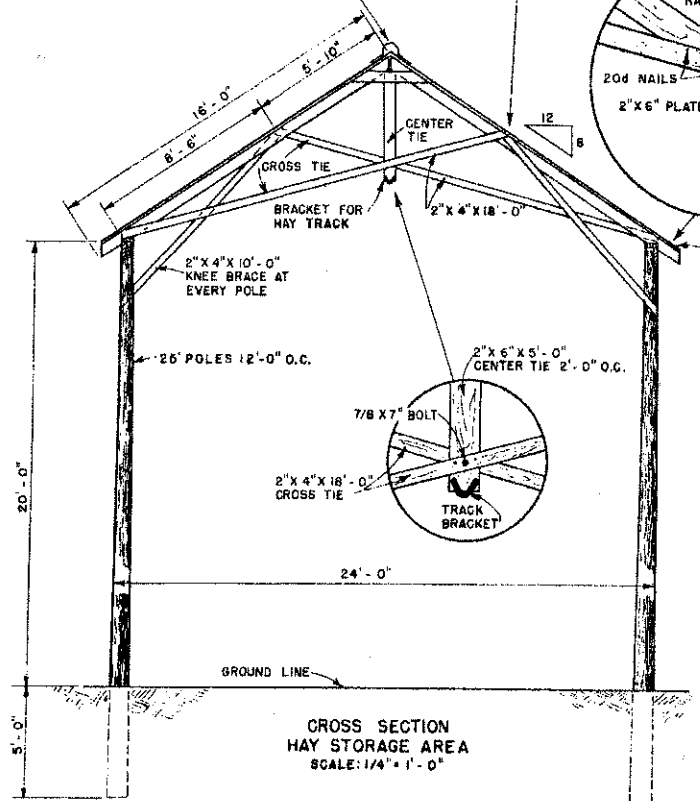
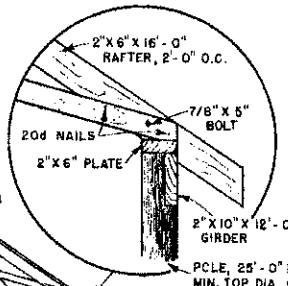
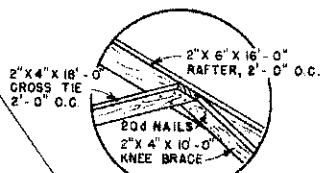


**BRACING OF SHED POLE**  
SCALE: 1/4" = 1'-0"

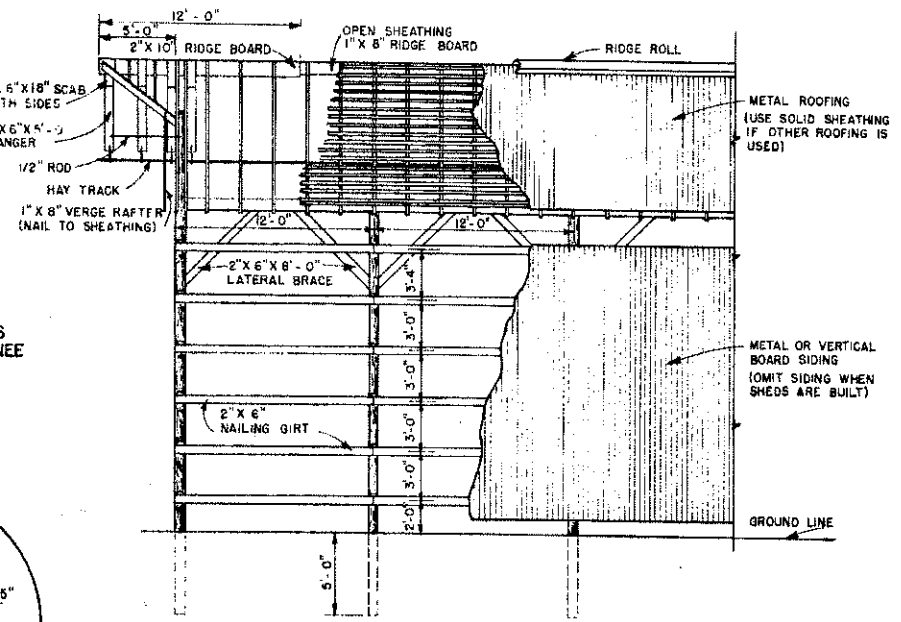


**DETAIL OF RAFTER FRAMING AT RIDGE**

**CONNECTION DETAILS OF CROSS TIE AND KNEE BRACE TO RAFTER**

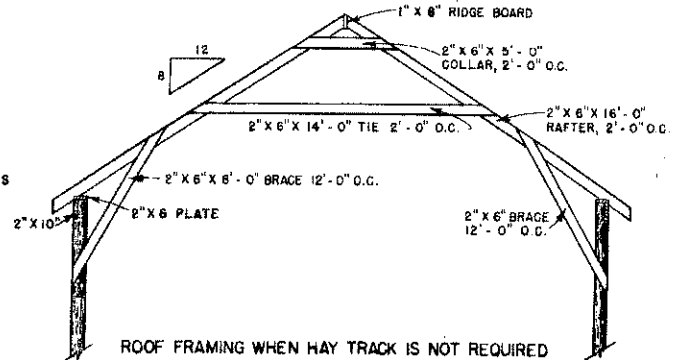


**CROSS SECTION HAY STORAGE AREA**  
SCALE: 1/4" = 1'-0"



**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"

**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.

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VA. '52	EX. 5765	SHEET 2 OF 2
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