



MATERIAL LIST

AMT	ITEM	QTY	FT.
2	PURCHASE TREATED POLES, 20 FT. LONG		
2	CROSS BEAMS 2x4x16'	37	1/3
4	RAFTERS 2x10x16'	93	1/3
20	PURLIN TIES 2x6x16'	320	
10	PURLIN TIES 2x6	16	
2	COLLAR BEAMS 2x10	16	2/3
4	GUSSETS 1x8x1'-9"	5	1/3
2	MANGER SUPPORTS 2x4x5'-8"		
1	CROWN MANGER SUPPORT 2x4x16'	8	
6	MANGER SIDING AND FLOOR 2x12x16'	192	
1	MANGER FLOOR 2x16x16' (RIPPED)	16	
6	HANGING BOLTS 3/4"x11" W/ 2 WASHERS EACH		
16	FT. RIDGE SECTION AS SELECTED		
32	FT. RAVE TROUGH AND HANGERS		
6	METAL TIE STRIPS		
2	STEEL (20GA) RAFTER TIES 1 1/2"x2'-8"		
	NAILS AS INDICATED		
	CONCRETE SLAB AND FOOTING 120 CU. FT.		
	GRAVEL AS REQUIRED FOR FILL		

NOTE:  
 ALL WOOD POLES SHOULD BE PRESSURE-TREATED WITH PRESERVATIVE.  
 2 1/2" CORRUGATED METAL OR 2"x6" PURLIN 16" O.C. OR TO CONFORM WITH MANUFACTURER'S DIRECTIONS.  
 EQUIP BELIEVED WITH ADEQUATE LIGHTNING PROTECTION SYSTEM IN AREAS WHERE NEEDED.  
 THIS STRUCTURE IS INTENDED FOR USE IN AREAS WHERE THE SNOW LOAD DOES NOT EXCEED 20 LB. PER SQUARE FOOT AND WIND DOES NOT EXCEED 76 MILES PER HOUR.

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

**COVERED FEEDER FOR CATTLE**  
 TYPE C

ORE. '58 EX. 5864 SHEET 1 OF 1

CUTAWAY VIEW (SHOWING FRAMING)