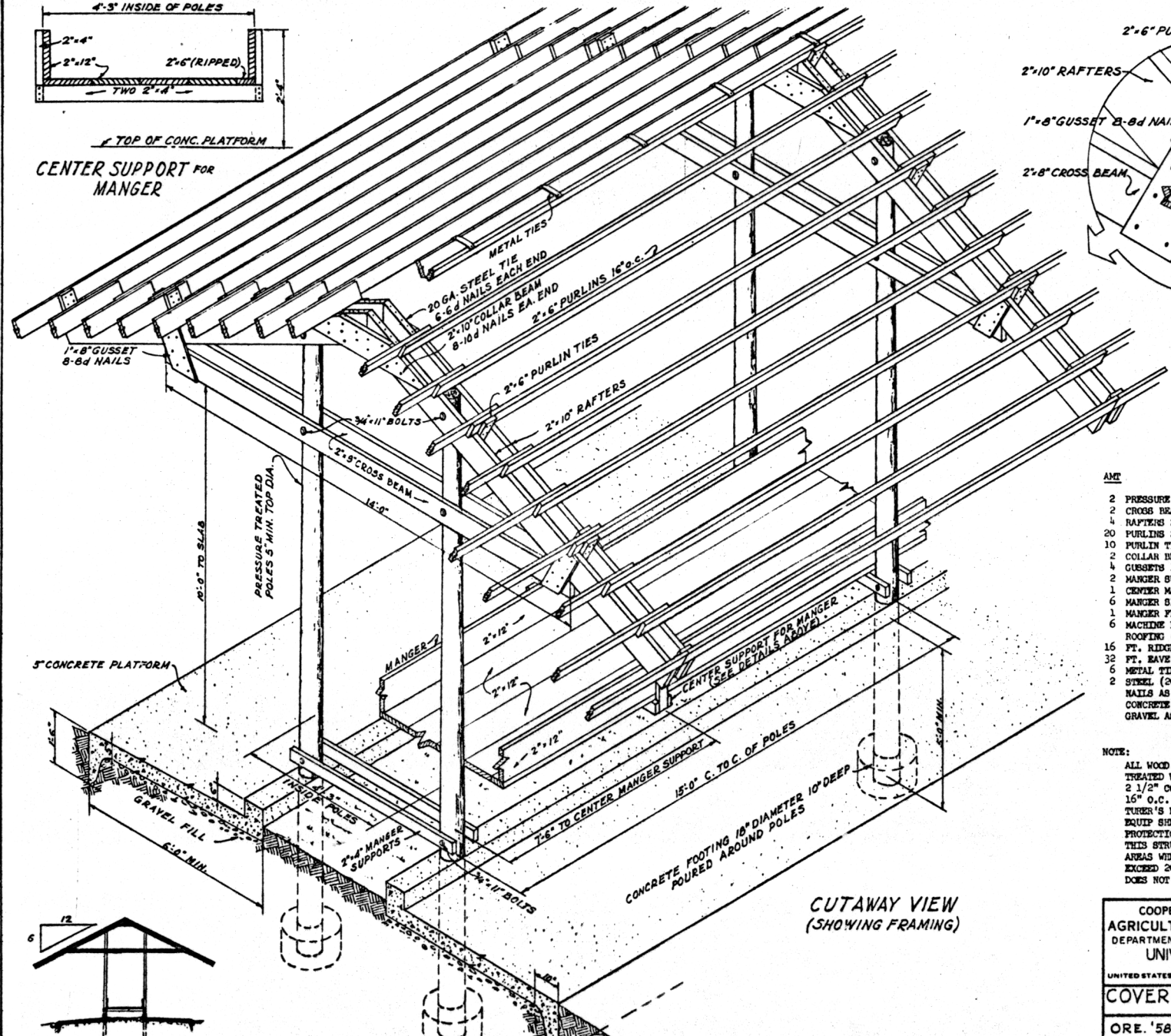
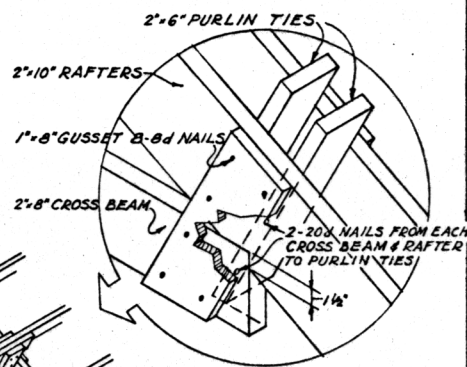
CENTER SUPPORT FOR MANGER



CUTAWAY VIEW
(SHOWING FRAMING)



MATERIAL LIST

AMT		FBM
2	PRESSURE TREATED POLES, 20 FT. LONG	
2	CROSS BEAMS 2x8x14'	37 1/3
4	RAFTERS 2x10x14'	93 1/3
20	PURLINS 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"	8
1	CENTER MANGER SUPPORT 2x4x12'	8
6	MANGER SIDES AND FLOOR 2x12x16'	192
1	MANGER FLOOR 2x6x16' (RIPPED)	16
6	MACHINE BOLTS 3/4"x11" WITH 2 WASHERS EACH	
	ROOFING (AS SELECTED) TO COVER 448 SQ. FT.	
16	FT. RIDGE SECTION AS SELECTED	
32	FT. EAVE 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 ON 2"x6" PURLINS 16" O.C. OR TO CONFORM WITH MANUFACTURER'S DIRECTIONS.
EQUIP SHELTER 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 75 MILES PER HOUR.

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

COVERED FEEDER FOR CATTLE
TYPE C

ORE. '58 | EX. 5864 | SHEET 1 OF 1