

FLOOR PLAN & POLE LAYOUT

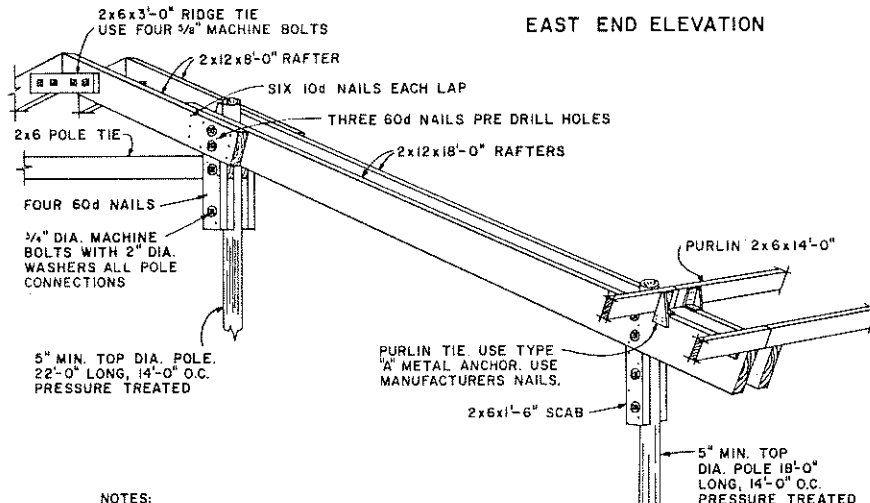
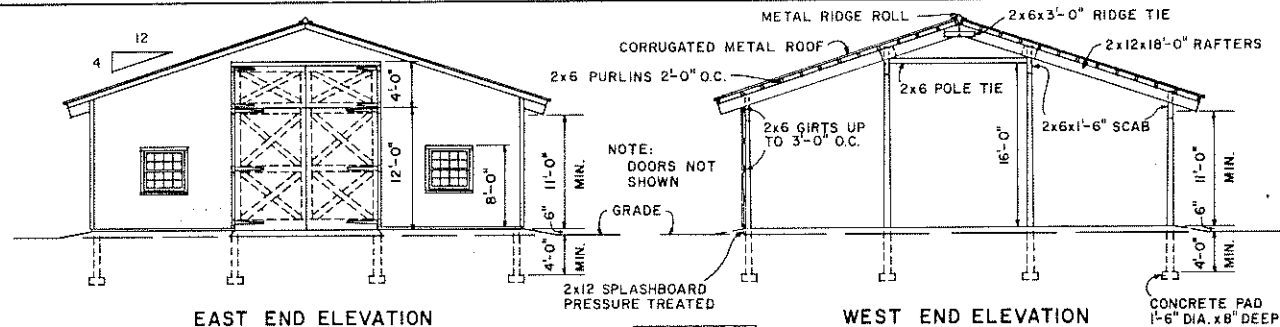
SCALE: 0 4 8 12 FT.

BASED ON: AUBURN UNIV. PLAN NO. BP-8

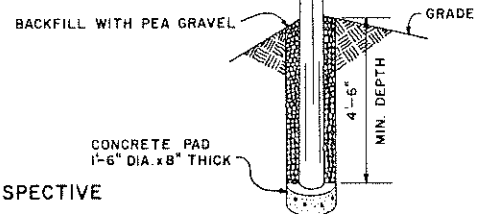
COOPERATIVE EXTENSION WORK IN  
 AGRICULTURE AND HOME ECONOMICS  
 DEPARTMENT OF AGRICULTURAL ENGINEERING  
 UNIVERSITY OF MARYLAND  
 AND  
 UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

MACHINERY SHED

ALA. '72	6150	SHEET 1 OF 2
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NOTES:  
 PURLINS AND RAFTERS DESIGNED USING 12001 DRESSED LUMBER.  
 DESIGN LIVE AND DEAD LOAD IS 25 LBS. PER SQ. FT.  
 NAILS ARE 60d & 40d RING SHANK. PRE-DRILL 1/8" HOLE TO PREVENT SPLITTING.  
 RETIGHTEN BOLTS AFTER WOOD DRIES 6 MONTHS.



FRAMING PERSPECTIVE

**BILL OF MATERIAL**

	SIZE	QUANTITY	F.B.M.
LUMBER FOR FRAMING			
PURLINS FOR END BAYS	2x6x16'-0"	52	832
PURLINS FOR CENTER BAYS	2x6x14'-0"	130	1,820
RAFTERS CENTER PEAK	2x12x8'-0"	32	512
RAFTERS SIDES	2x12x18'-0"	32	1,152
RIDGE AND CENTER POLES TIE, CUT 3'-0" FOR RIDGE	2x6x18'-0"	32	576
SCAB 2x6x1'-6"	2x6x12'-0"	8	96
PRESSURE TREATED SPLASHBOARD	2x12x14'-0"	10	280
GIRTS USING 1'-0" LAP AT POLES	2x6x16'-0"	40	640
WINDOW AND WALK DOOR FRAMING	2x6x8'-0"	18	144
GABLE ENDS FRAMING	2x6x14'-0"	6	84
CENTER DRIVE DOOR FRAMING	2x8x16'-0"	4	86
	2x8x14'-0"	2	38
FRAMING FOR OVERHEAD AND NORTH WALL DOORS	2x8x12'-0"	6	96
	2x8x14'-0"	3	56
TOTAL FRAMING LUMBER			6,412
POLES: 5" TOP DIA., PRESSURE TREATED	16'-0"	16	
	22'-0"	16	
CONCRETE SLAB: 2000 PSI, TAPER OUTSIDE 1'-6" EDGE FOR 1'-0" DEPTH		31 CU. YDS.	
PADS	1'-6" DIA. x 8"	2 CU. YDS.	
REINFORCING WIRE: 6x6 NO. 10 WELDED		1300 SQ. FT.	
MACHINE BOLTS. (ADD ONE INCH TO LENGTH IF ROUGH LUMBER IS USED)			
3/4" DIA. x 4" LONG (PEAK RAFTER TIE)		64	
WASHER: 2" DIA. WITH 3/4" HOLE		128	
3/4" DIA. x 10" LONG (RAFTER TO SIDE POLES)		64	
3/4" DIA. x 14" LONG (RAFTER TO INTERIOR POLES)		64	
WASHER: 2" DIA. WITH 7/8" HOLE		256	
PURLIN ANCHORS		416	
NAILS			
60d RING SHANK: RAFTERS AND SCABS TO POLES		18 LBS.	
40d RING SHANK: FRAMING AND GIRTS TO POLES		35 LBS.	
10d COMMON: FOR JOINING 2" MATERIAL		5 LBS.	
USE NAILS RECOMMENDED FOR ROOF AND SIDING SELECTED			
SIDING		15 SQUARES	
ROOF		51 SQUARES	
DOORS			
WALK: 3'-6"x8'-0"		2	
OVERHEAD: 14'-0"x11'-0" HIGH (OPTIONAL)		1	
SLIDING: 14'-0" WIDE x 11'-0" HIGH		2	
SHOP ENDS: SET 14'-0"x12'-0" & 14'-0"x4'-0" HINGED		2	
WINDOWS: 4'-0"x4'-0", OWNER SELECT TYPE		5	
ELECTRICAL: PROVIDE A 100 AMP. SERVICE (MINIMUM)			

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