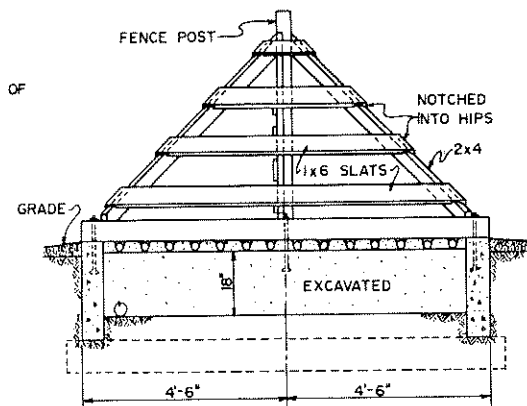
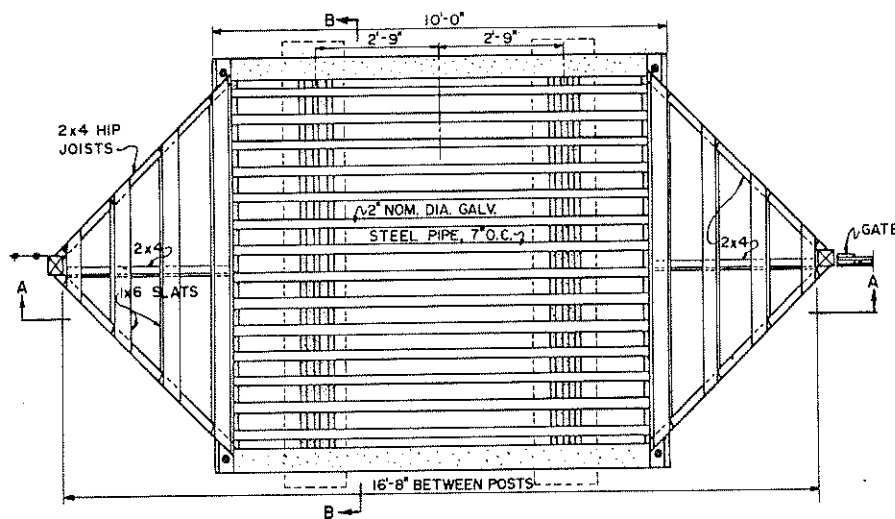


SECTION A-A



SECTION B-B



PLAN

**BILL OF MATERIALS**  
CONCRETE AND STEEL

<b>LUMBER</b>	
FRAMING:	1-PCS 2x4x12'-0"
	2- " 2x4x14'-0"
SLATS:	6- " 1x6x12'-0"
GUARD RAILS:	2- " 4x6x9'-0"
CONCRETE:	2 3/4 CU. YDS. (1:1:5 MIXTURE)
CEMENT:	13 SACKS
SAND:	1.4 CU. YDS.
AGGREGATE:	2.35 CU. YDS.
<b>MISCELLANEOUS</b>	
PIPES:	14-PCS, 2" NOM. DIA. EXTRA STRONG GALV. STEEL PIPE OR RAILS 10'-0" LONG
ANCHOR BOLTS:	6- 1/2" x 16"
REINF. RODS:	4- 1/2" x 9'-0"

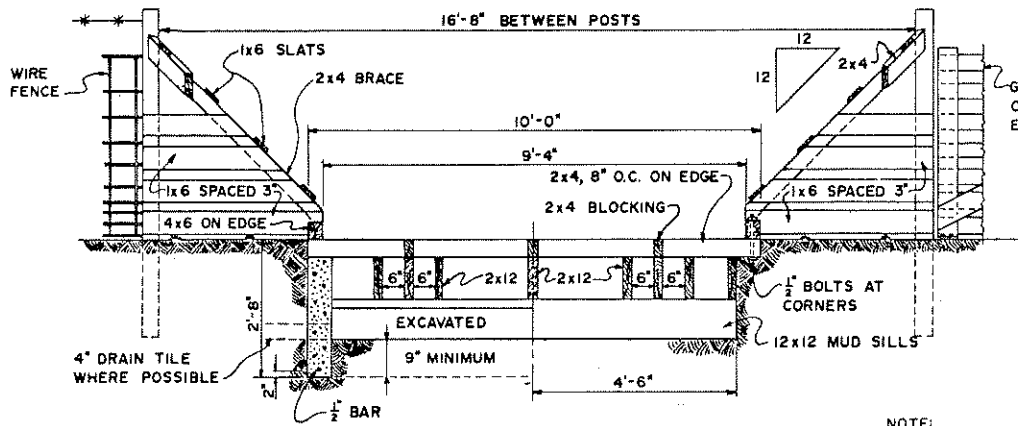
NOTE: A WIDE GATE ADJACENT TO GUARD IS SUGGESTED FOR PASSAGE OF EXTRA WIDE EQUIPMENT AND LIVESTOCK.  
ALL WOOD TO BE TREATED WITH PRESERVATIVE.

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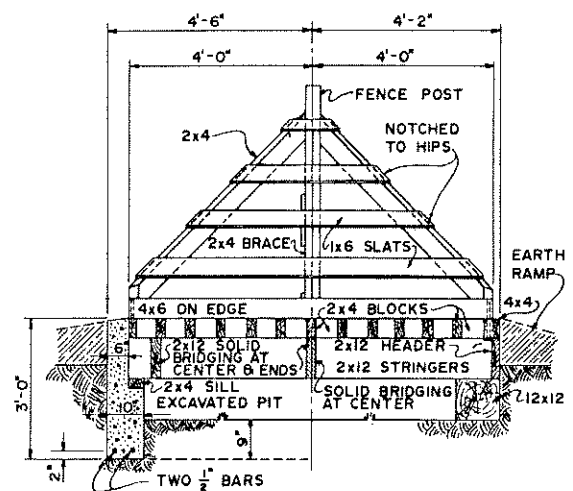
**CATTLE GUARDS**

USDA '68 EX. 6051 SHEET 1 OF 2

SCALE: 0 1 2 3 FT.



SECTION A-A

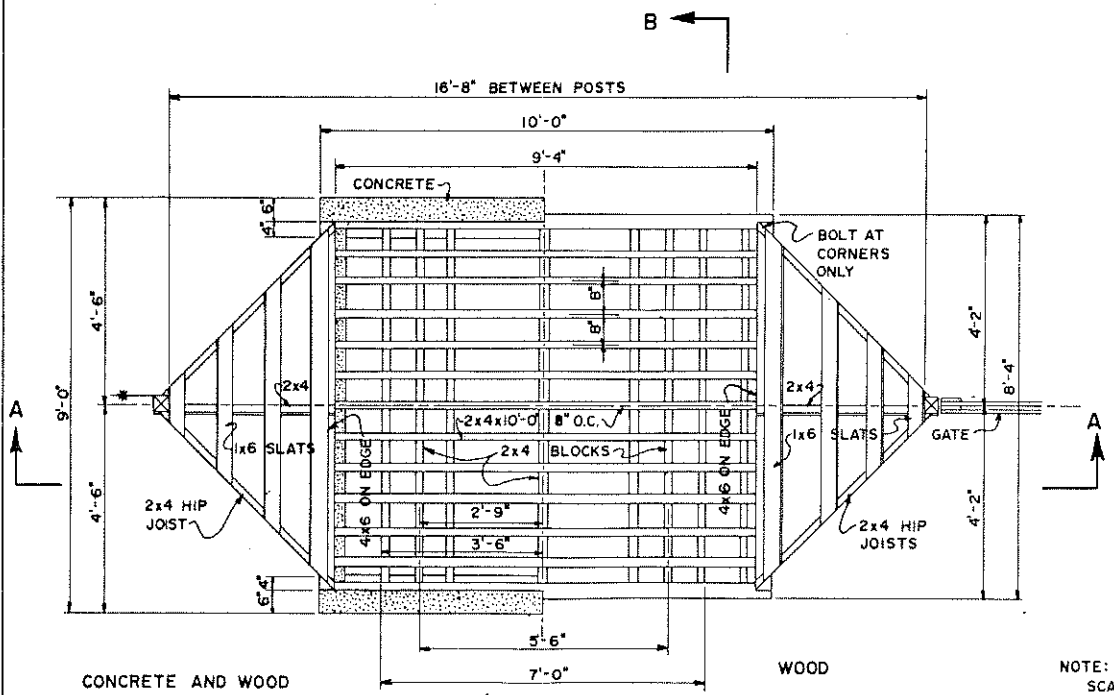


SECTION B-B

NOTE:  
SECTION A-A SHOWS GUARD FLOOR BUILT LEVEL WITH GRADE.  
SECTION B-B SHOWS GUARD FLOOR RAISED ABOVE GRADE.

BILLS OF MATERIAL

CONCRETE AND WOOD		WOOD	
LUMBER		LUMBER	
FENCE POSTS:	2-PCS 4x4x7'-0"	FENCE POSTS:	2-PCS 4x4x7'-0"
FRAMING:	3-PCS 2x12x10'-0"	FRAMING:	2-PCS 12x12x9'-0"
	7-PCS 2x12x8'-0"		2-PCS 4x4x10'-0"
	13-PCS 2x4x10'-0"		3-PCS 2x12x10'-0"
	2-PCS 2x4x9'-0"		9-PCS 2x12x8'-0"
	3-PCS 2x4x8'-0"		11-PCS 2x4x10'-0"
	6-PCS 2x4x6'-0"		3-PCS 2x4x8'-0"
	9-PCS 1x6x8'-0"		6-PCS 2x4x6'-0"
SLATS:		SLATS:	9-PCS 1x6x8'-0"
GUARD RAILS:	2-PCS 4x6x8'-0"	GUARD RAILS:	2-PCS 4x6x8'-0"
CONCRETE	2 1/2 CU. YDS. (1:3:5 MIXTURE)	MISCELLANEOUS	
CEMENT:	12 SACKS	ANCHOR BOLTS:	FOUR 1/2"x12" GALV.
SAND:	1.25 CU. YDS.		
AGGREGATE:	2.13 CU. YDS.		
MISCELLANEOUS			
ANCHOR BOLTS:	FOUR 1/2"x12" GALV.		
REINF. RODS:	FOUR 1/2"x9'-9"		
	TWO 1/2"x8'-9"		



PLAN

NOTE:  
SCALE: 0 1 2 3 FT.  
USE ROUGH-SAWN LUMBER.  
ALL WOOD IS TO BE PRESSURE-TREATED WITH PRESERVATIVE.

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**CATTLE GUARDS**

USDA '68	EX. 6051	SHEET 2 OF 2
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