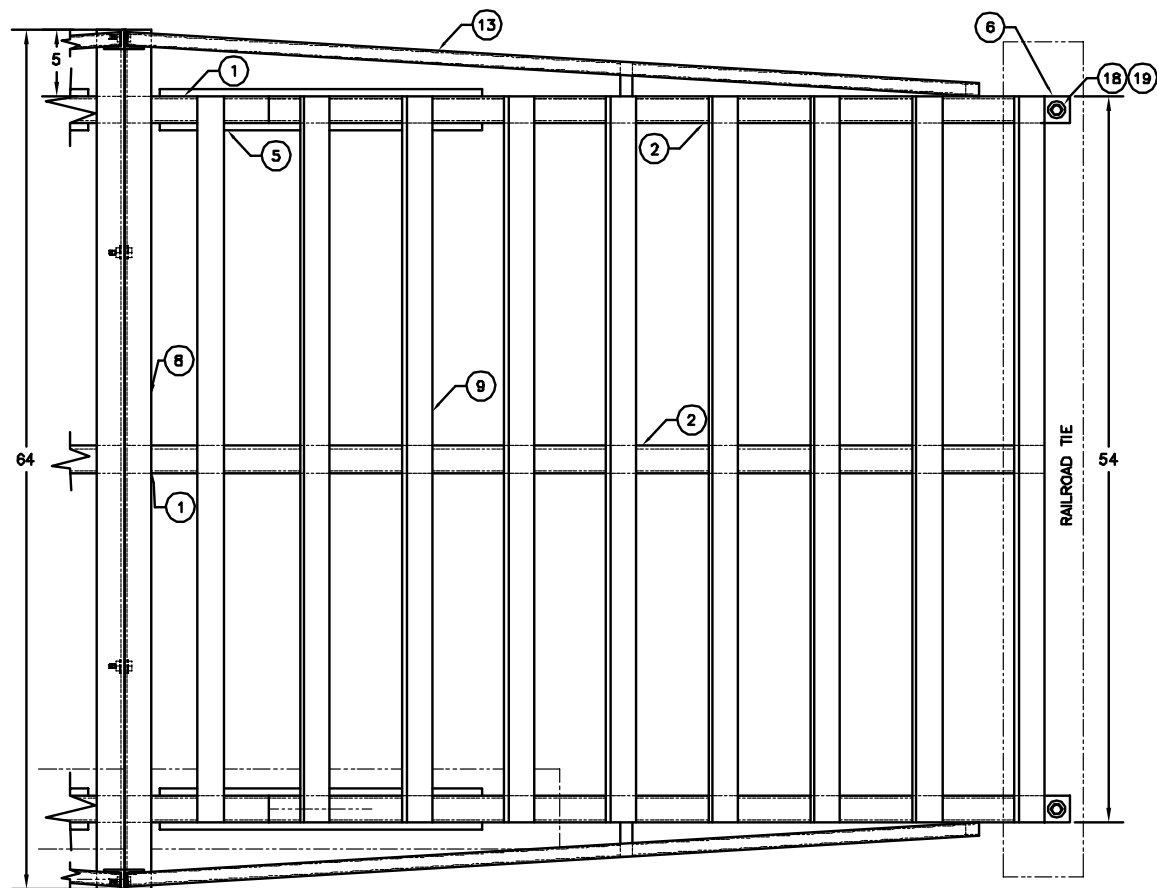
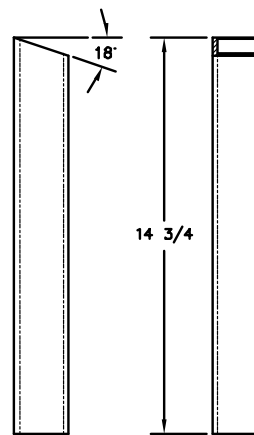
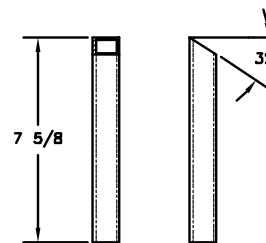
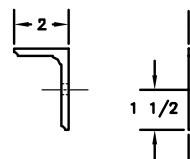


1 FRAME (T
SCALE X2

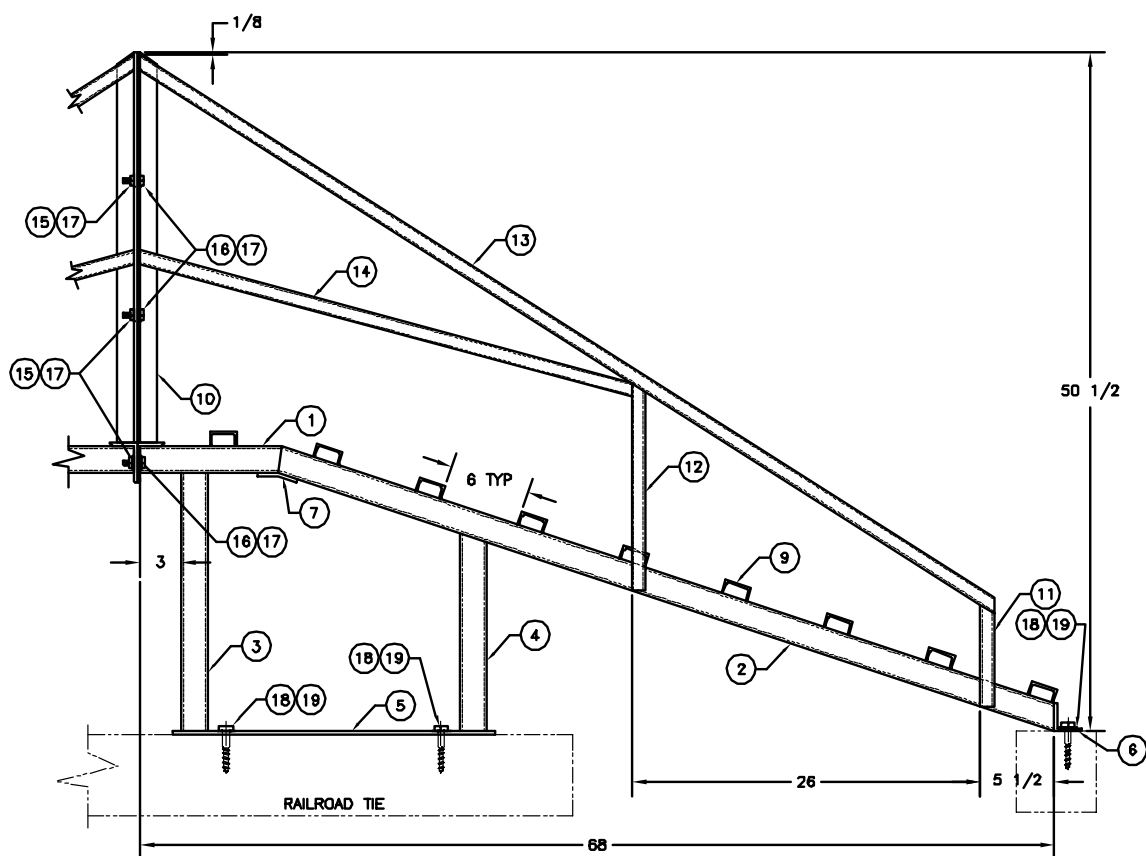


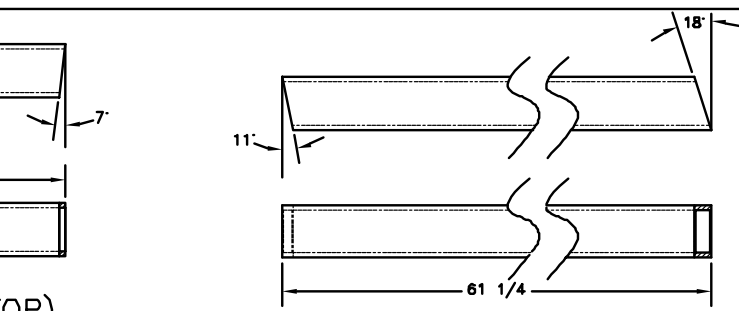
4 BACK LEG
SCALE X2



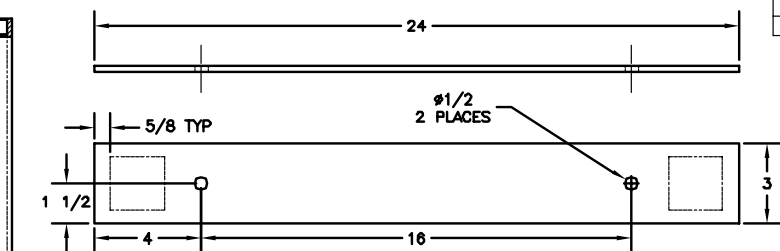
11 BOTTOM SUPPORT
SCALE X2

WELDED CONSTRUCTION

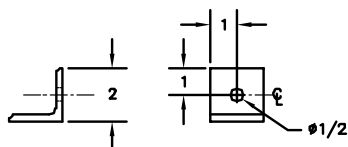




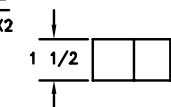
2 FRAME (SIDE)
SCALE X2



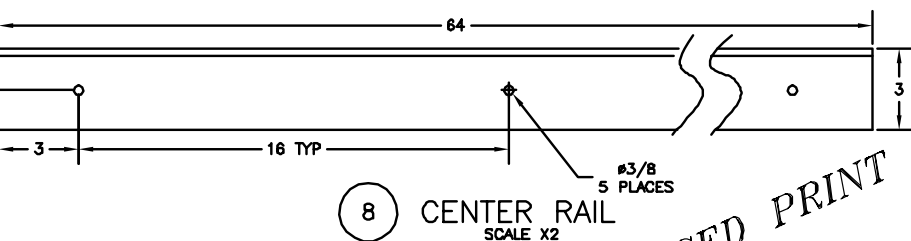
5 BASE
SCALE X2



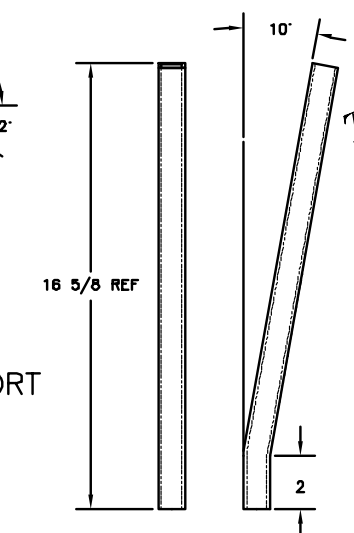
6 TAB
SCALE X2



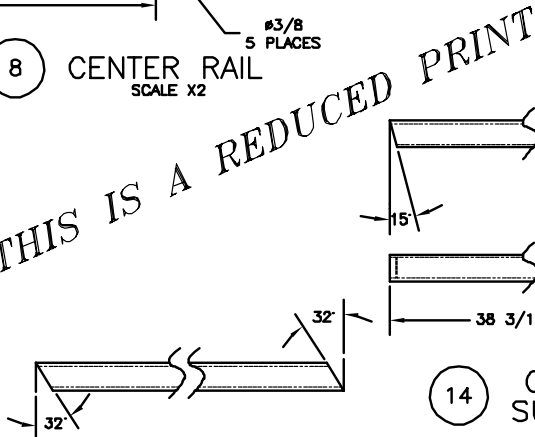
7 STIFFENER
SCALE X2



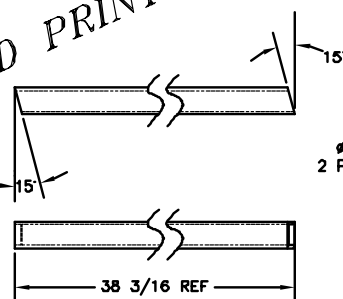
8 CENTER RAIL
SCALE X2



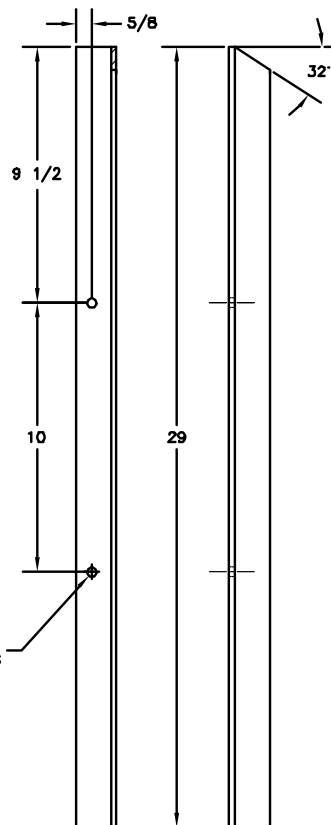
12 CENTER SUPPORT
SCALE X2



13 TOP RAIL



14 CROSS SUPPORT
SCALE X2



10 POST RAIL
SCALE X2

MATERIAL LIST

NO	PART NAME	REQD	MATERIAL-DESCRIPTION
1	FRAME (TOP)	3	3/16 X 2 X 10-1/2 LG SQ. MECH TUBING, STEEL
2	FRAME	3	3/16 X 2 X 61-1/4 LG SQ. MECH TUBING, STEEL
3	FRONT LEG	2	3/16 X 2 X 19-1/4 LG SQ. MECH TUBING, STEEL
4	BACK LEG	2	3/16 X 2 X 14-3/4 LG SQ. MECH TUBING, STEEL
5	BASE	2	1/4 X 3 X 24 LG FLAT, STEEL
6	TAB	2	1/4 X 2 X 2 ANGLE, STEEL
7	STIFFENER	3	1/4 X 1-1/2 X 3 LG FLAT, STEEL
8	CENTER RAIL	1	1/4 X 2 X 3 X 64 LG ANGLE, STEEL
9	TREADS	9	1/8 X 1 X 2 X 54 LG STANDARD "C" CHANNEL, STEEL
10	POST RAIL	2	3/16 X 1-1/2 X 1-1/2 X 29 LG ANGLE, STEEL
11	BOTTOM SUPPORT	2	11 GAUGE X 1 X 7-5/8 LG SQ TUBING, STEEL
12	CENTER SUPPORT	2	11 GAUGE X 1 X 16-5/8 LG SQ TUBING, STEEL
13	TOP RAIL	2	11 GAUGE X 1 X 75-1/4 LG SQ TUBING, STEEL
14	CROSS SUPPORT	2	11 GAUGE X 1 X 38-3/16 LG SQ TUBING, STEEL
15	NUT	8	3/8-16NC HEX NUT
16	BOLT	8	3/8-16NC X 1 LG HEX HEAD BOLT
17	WASHER	16	3/8-INCH FLAT WASHER
18	BOLT	6	1/2 X 3 LG HEAVY DUTY HEX HEAD LAG BOLT
19	WASHER	6	1/2-INCH FLAT WASHER

NOTES:

- PARTS SHOWN FOR 1 ASSEMBLY - 2 REQ'D.
- CATTLE GUARD SECTIONS ARE DESIGNED TO BE INSTALLED ALONG AN EXISTING FENCE LINE USING THE EXISTING POST(S) OR PLACED TOGETHER AND BOLTED ALONG THE CENTER RAIL - PART NO. 8. PARTS SHOWN ARE FOR BOLTING THE TWO SECTIONS TOGETHER.
- CENTER FRAME SECTION CAN BE CONSTRUCTED OF 3/16 X 2 X 2 ANGLE IF DESIRED.

THIS IS A REDUCED PRINT

UNLESS OTHERWISE SPECIFIED:	
TOLERANCES:	
FRACTIONS	+/-
DECIMALS	+/-
ANGLES	+/-
DIMENSIONS ARE IN INCHES	
BREAK SHARP EDGES	
DRAWN	MUCCI
DESIGNED	BEAVERHEAD-
DEERLODGE NF, MCGREW	
MACHINE & FABRICATING	
REVIEWED	KEES
SCALE	FULL & NOTED
DATE	DEC 2005

DATE	REVISION	BY
	U. S. DEPT. OF AGRICULTURE FOREST SERVICE TECHNOLOGY & DEVELOPMENT CENTER MISSOULA, MT	
	TITLE	
	SOUTHWEST MONTANA ATV TRAIL CATTLE GUARD	
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	SHEET 1 OF 1	MTDC- 1049