

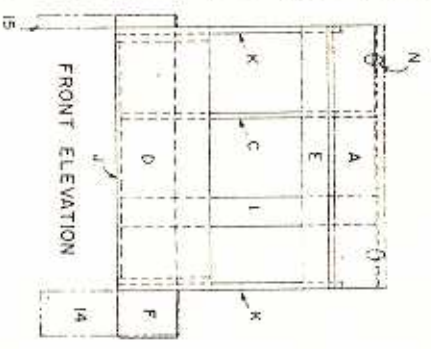
**OF MATERIALS**

PART NO.	QTY	MATERIAL
1	2	PLYWOOD EXT C-C
2	1	PLYWOOD EXT C-C
3	1	PLYWOOD EXT C-C
4	1	PLYWOOD EXT C-C
5	1 EA.	FIR (BLOCKING)
6	2	FIR
7	2	FIR
8	2	FIR
9	2	FIR
10	2	FIR
11	2	FIR
12	2	PINE
13	1	PINE
14	1	PINE
15	1	PINE
16	4	STRAP HINGES
17	1 PR.	GATE HOOK-NAIL-PAINT
18	2	CORRUGATED GALV.
19	2	STEEL 26 GA.

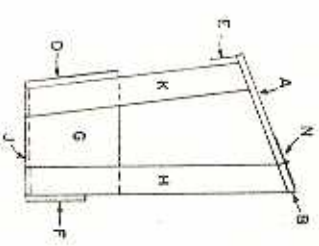
**MANGER MATERIALS**

PART	SIZE	QTY	MATERIAL
A	3/4"x1'-2 1/2"x2'-8"	1	PLYWOOD EXT. C-C
B	1x4x2'-8"	1	PINE
C	3/4"x1'-6 1/2"x2'-7 1/2"	1	PLYWOOD EXT. C-C
D	1x12x2'-8"	1	PINE
E	1x4x2'-8"	1	PINE
F	1x8x3'-3 1/2"	1	PINE
G	1x4x2'-8 1/2"	2	PINE
H	1x4x2'-8 1/2"	2	PINE
I	1'-1 1/2"-5"	1	PLYWOOD EXT. C-C
J	1x4x2'-3 1/2"	2	PINE
K	1x4x2'-7 1/2"	1	PINE
L	1x4x2'-7 1/2"	1	PINE
M		1 PR.	STRAP HINGES
N		6	FEED BUCKET & BRACKET
O		1 PR.	STRAP HINGES

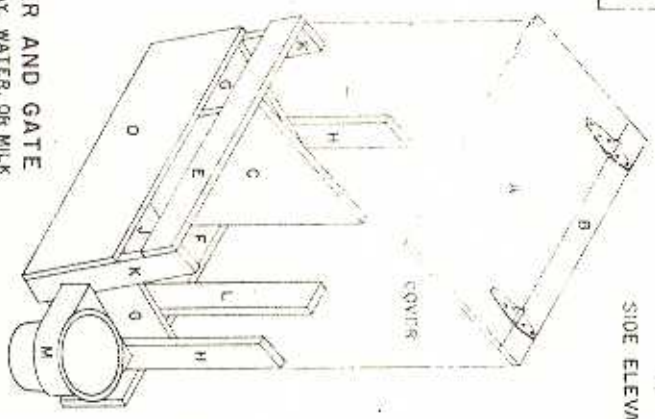
AVOID USE OF LEAD NAILS, PAINT-PIGMENTS



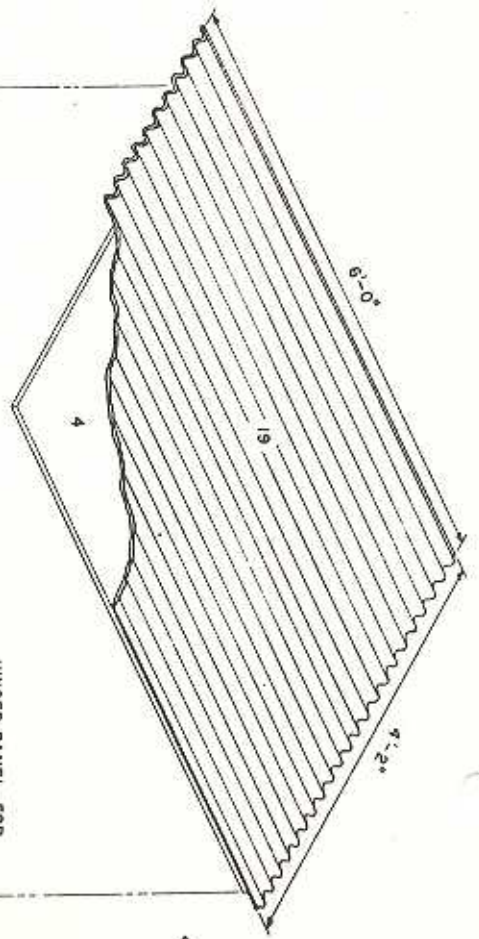
**MANGER AND GATE**



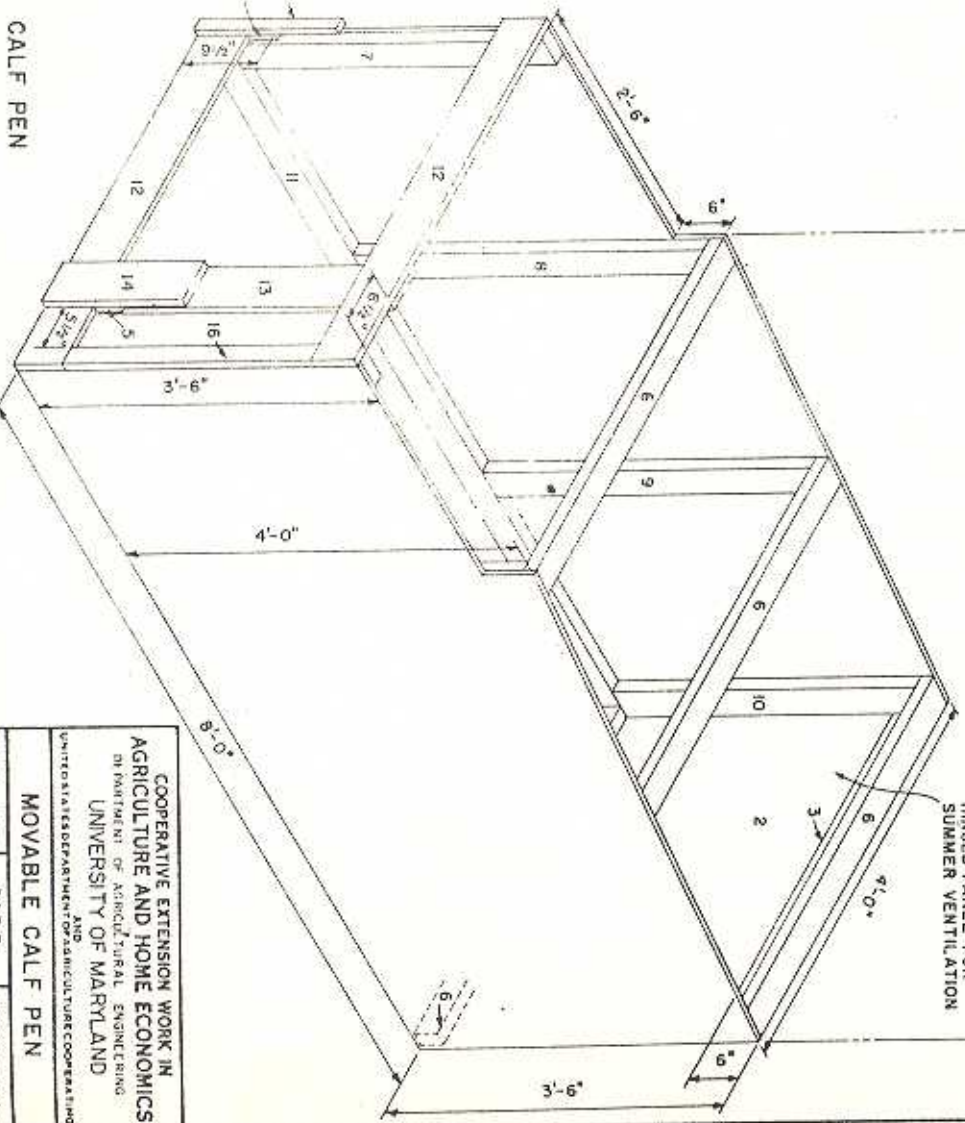
**SIDE ELEVATION**



**MANGER AND GATE**  
GRAIN, HAY, WATER, OR MILK



**HINGED PANEL FOR SUMMER VENTILATION**



**CALF PEN**

BASED ON: UTAH STATE UNIV. PLAN NO. 6-010

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

**MOVABLE CALF PEN**

UTAH '74 6180 SHEET 1 OF 1