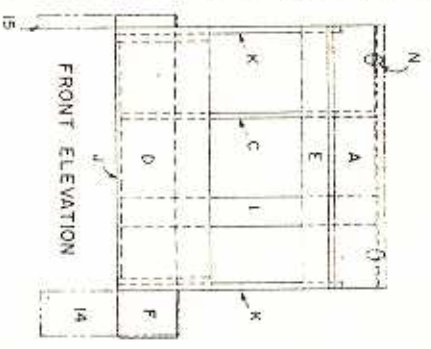


OF MATERIALS

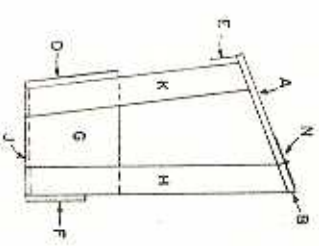
PART NO.	QTY	MATERIAL
1	2	PLYWOOD EXT C-C
2	1	PLYWOOD EXT C-C
3	1	PLYWOOD EXT C-C
4	1	PLYWOOD EXT C-C
5	1 EA.	FIR (BLOCKING)
6	2	FIR
7	2	FIR
8	2	FIR
9	2	FIR
10	2	FIR
11	2	FIR
12	2	PINE
13	1	PINE
14	1	PINE
15	1	PINE
16	1	PINE
17	4	STRAP HINGES
18	2	GATE HOOK-NAIL-PAINT
19	2	CORRUGATED GALV. STEEL 26 GA.

MANGER MATERIALS

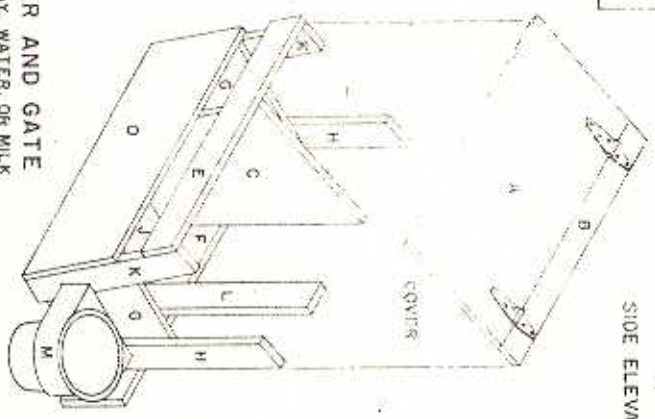
PART	SIZE	QTY	MATERIAL
A	3/4"x1'-2 1/2"x2'-8"	1	PLYWOOD EXT. C-C
B	1x4x2'-8"	1	PINE
C	3/4"x1'-6 1/2"x2'-7 1/2"	1	PLYWOOD EXT. C-C
D	1x12x2'-8"	1	PINE
E	1x4x2'-8"	1	PINE
F	1x8x3'-3 1/2"	1	PINE
G	1x2x1'-2 1/2"	2	PINE
H	1x4x2'-8 1/2"	2	PINE
I	1'-1 1/2"-5"	1	PLYWOOD EXT. C-C
J	1x4x2'-3 1/2"	2	PINE
K	1x4x2'-7 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
			NAILS, PAINT-AVOID USE OF LEAD PIGMENTS



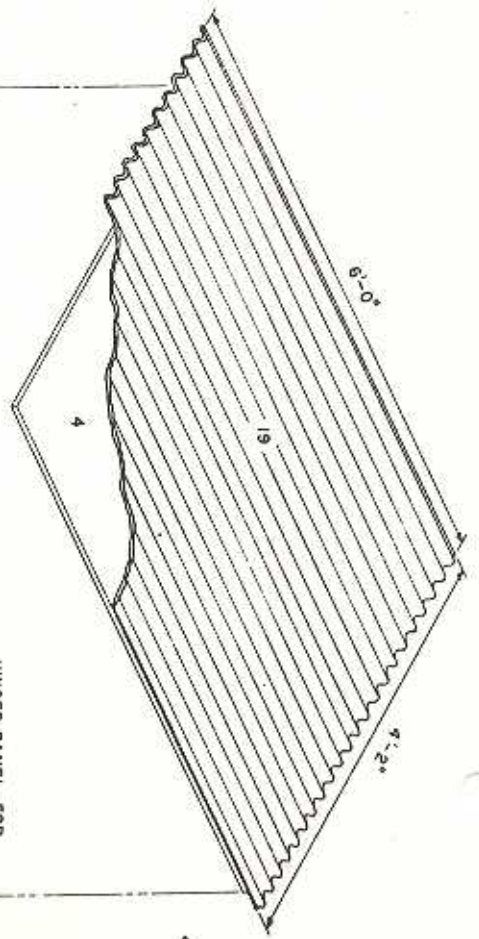
MANGER AND GATE



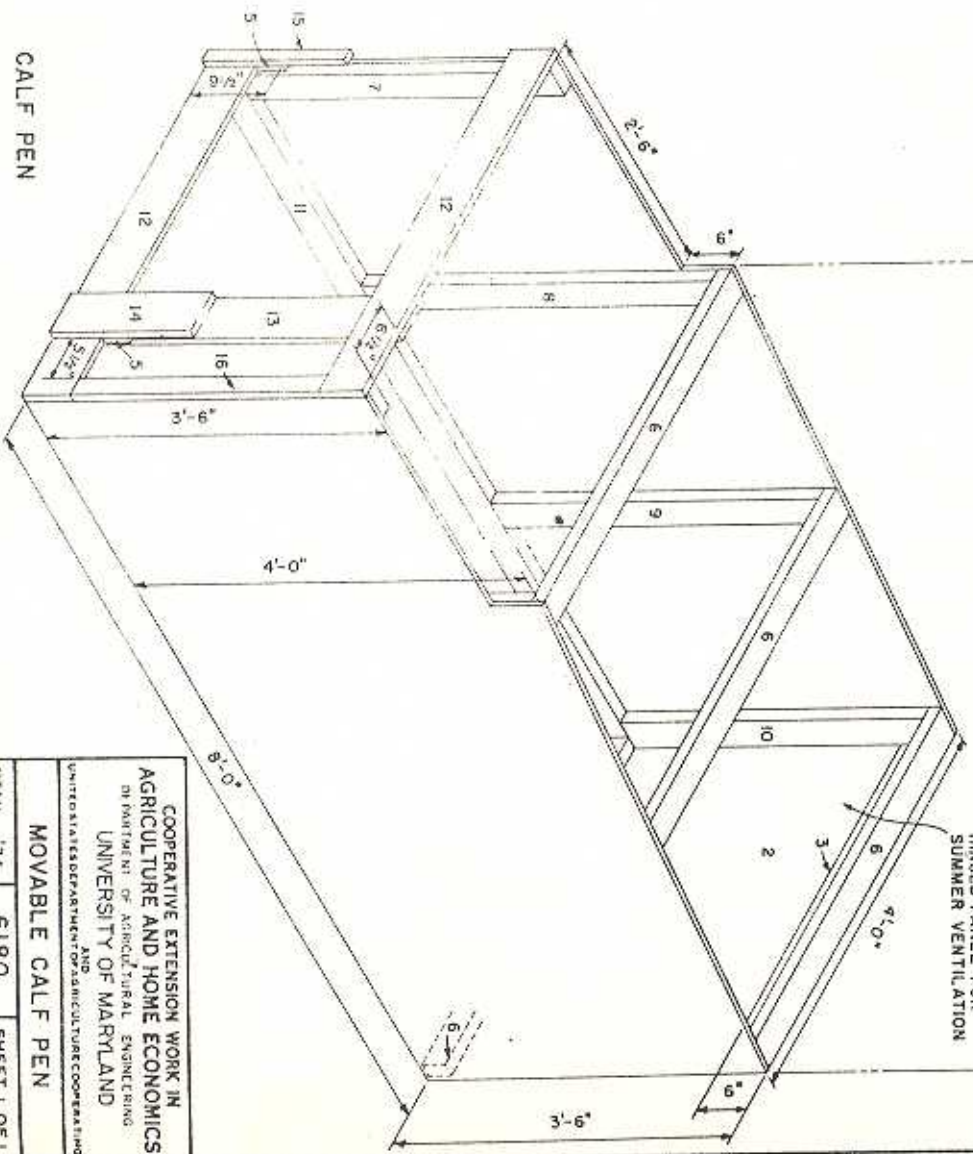
SIDE ELEVATION



CALF PEN



HINGED PANEL FOR SUMMER VENTILATION



MANGER AND GATE
GRAIN, HAY, WATER, OR MILK

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