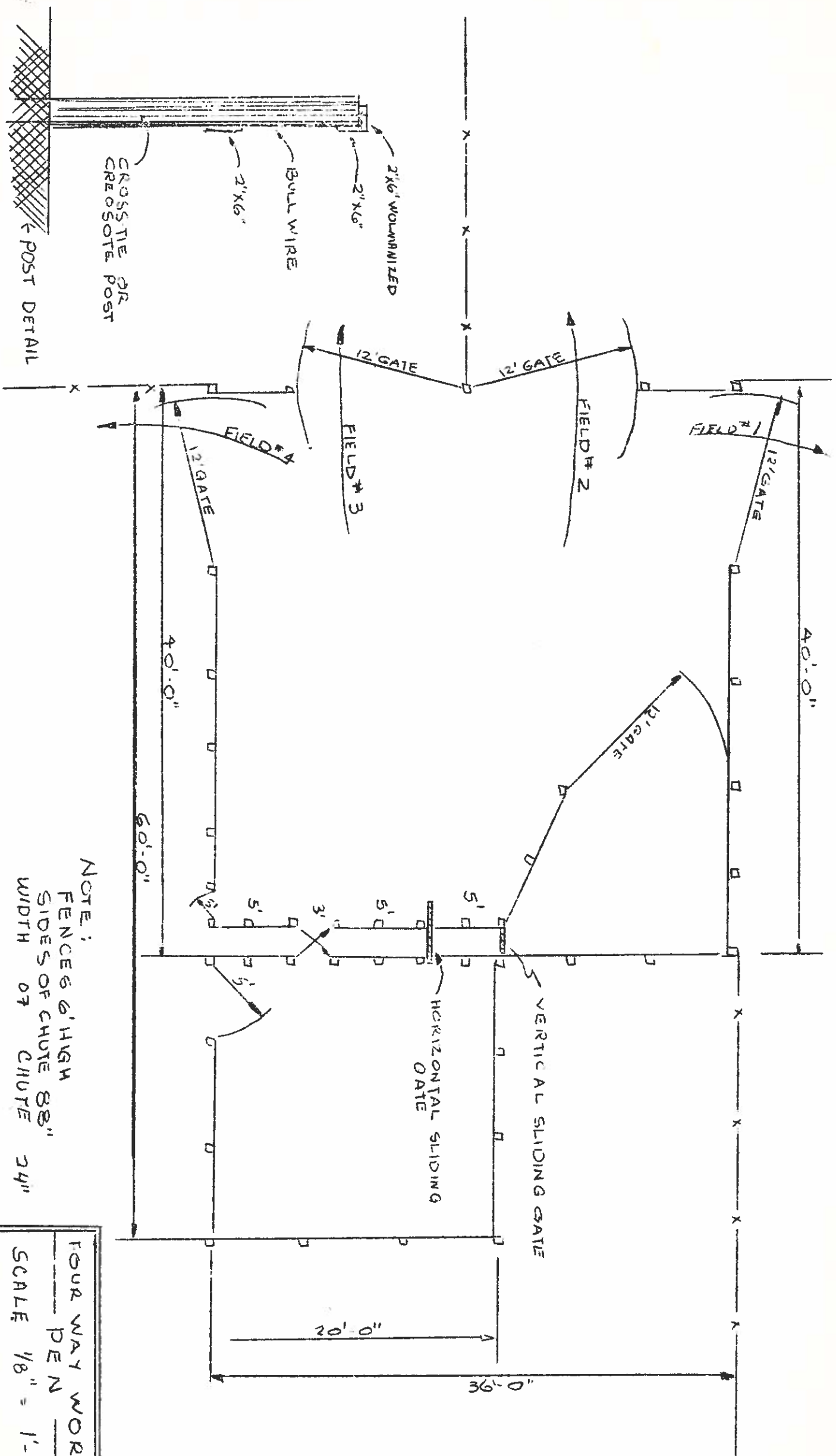
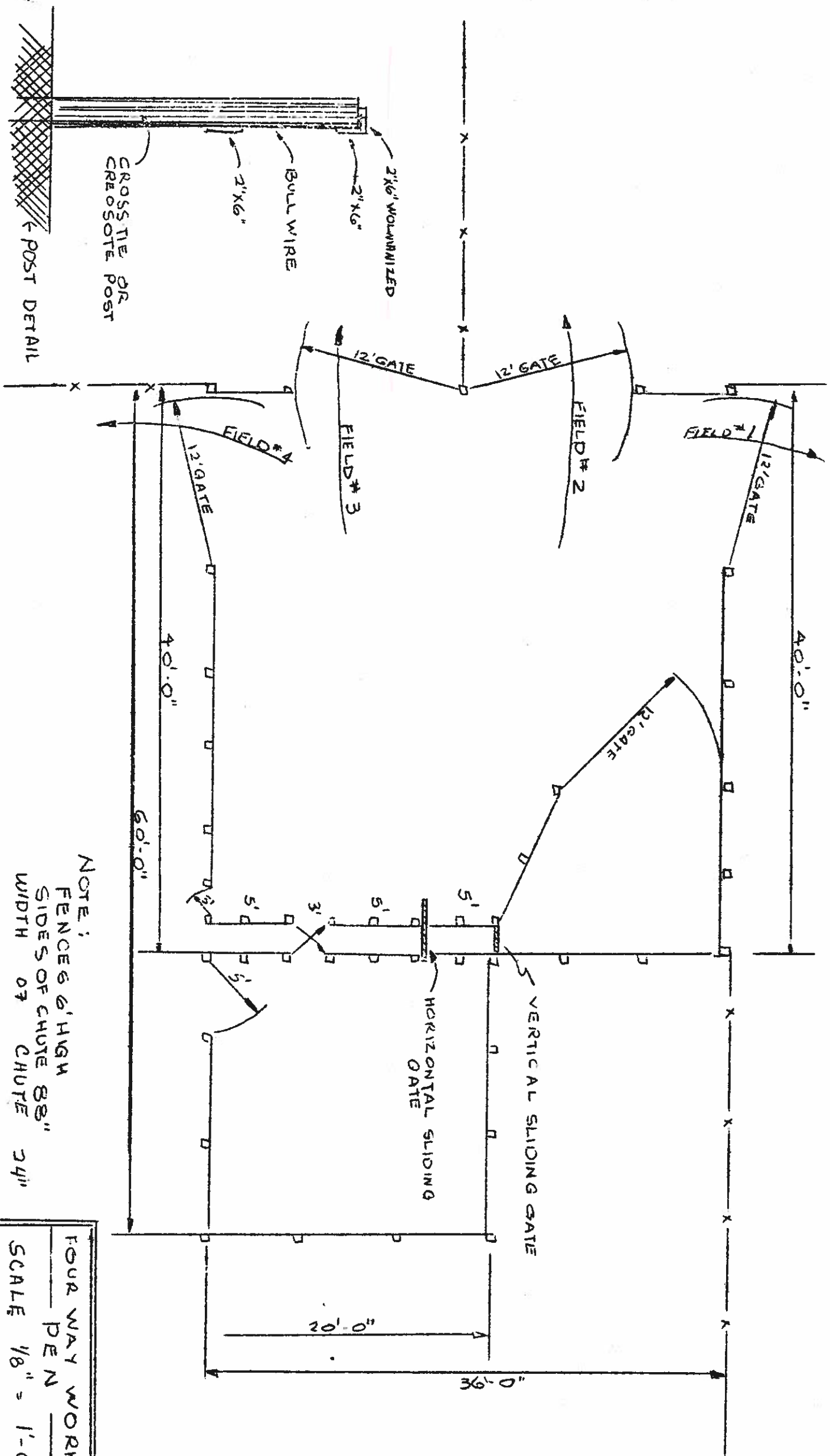
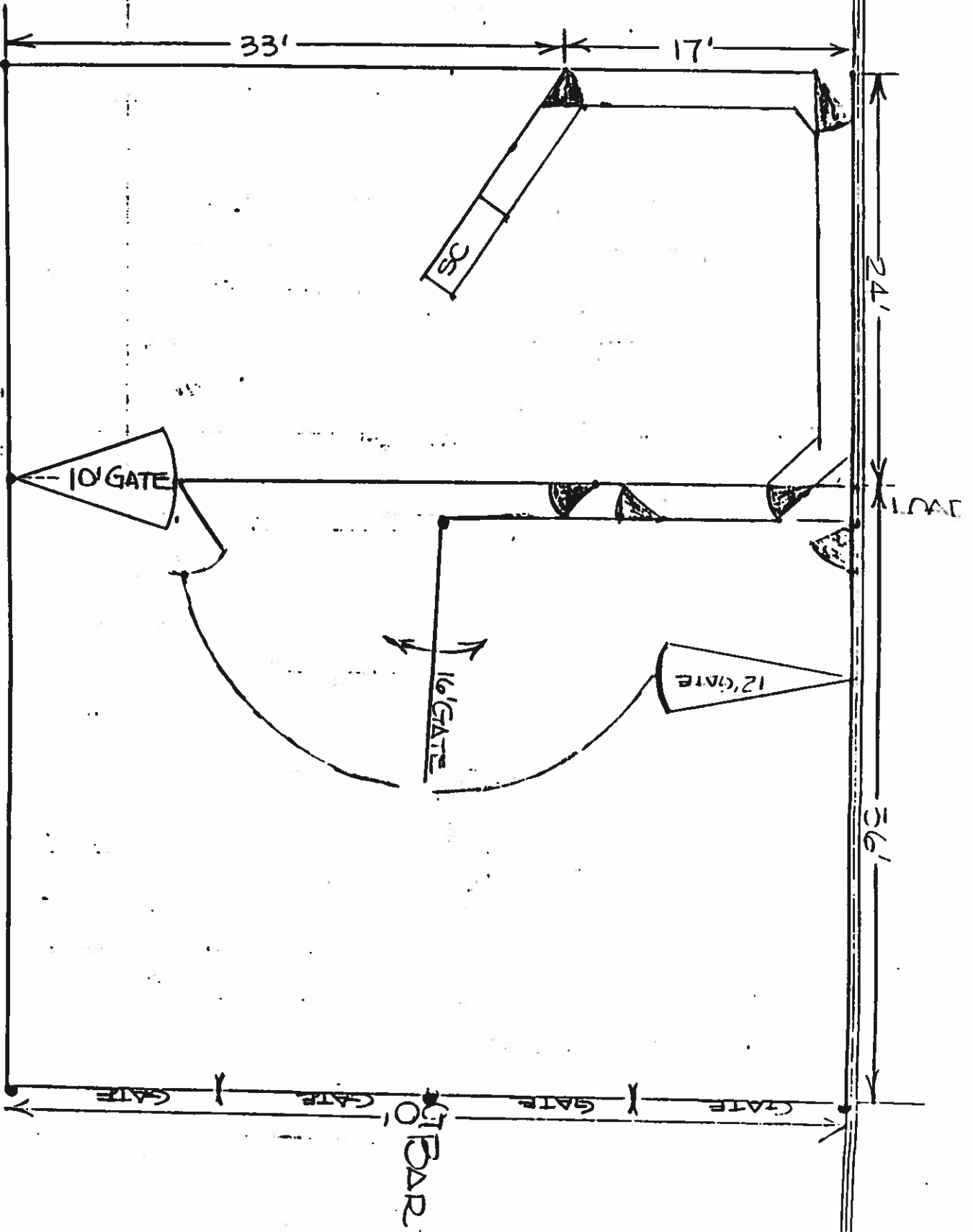




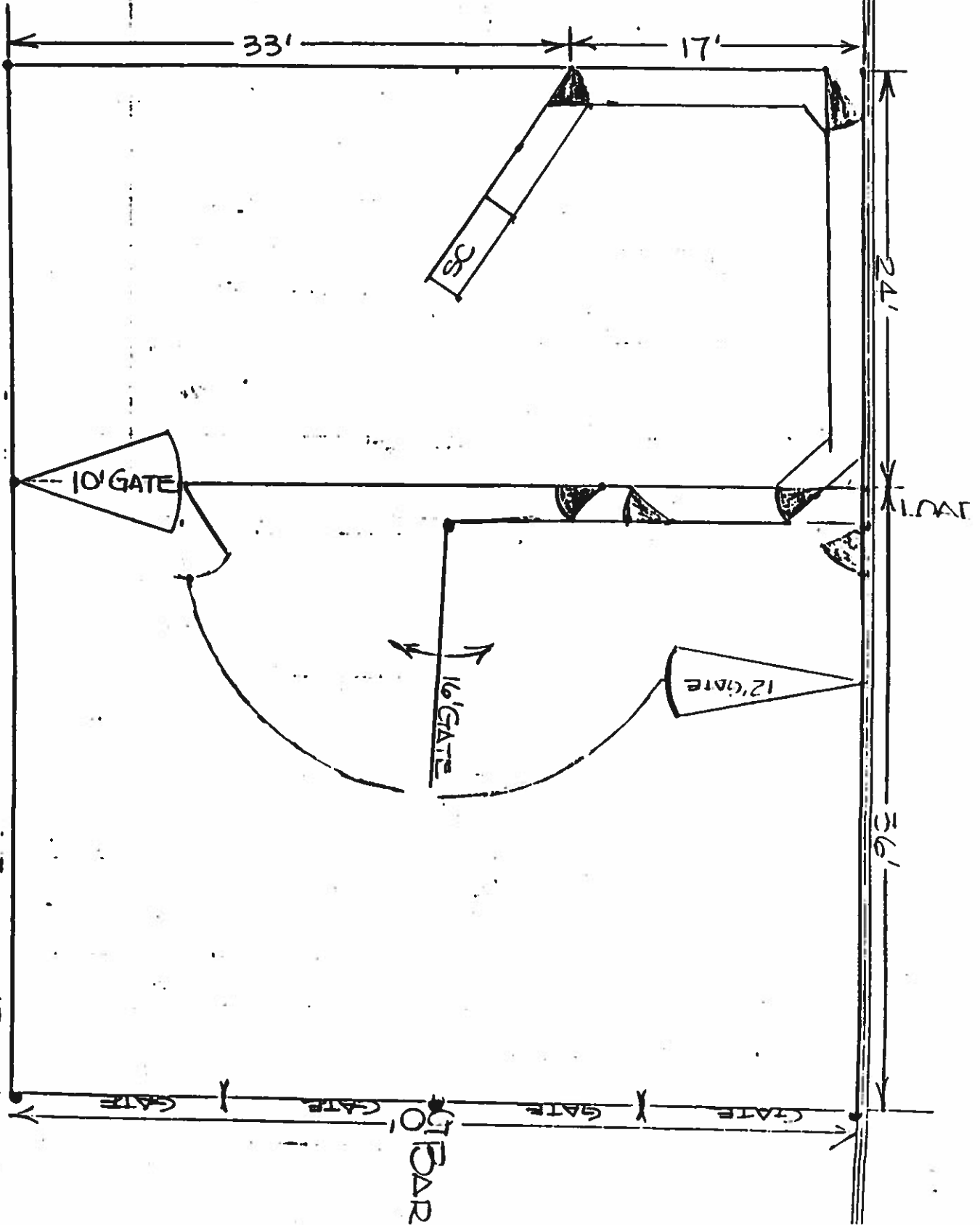


ARENA



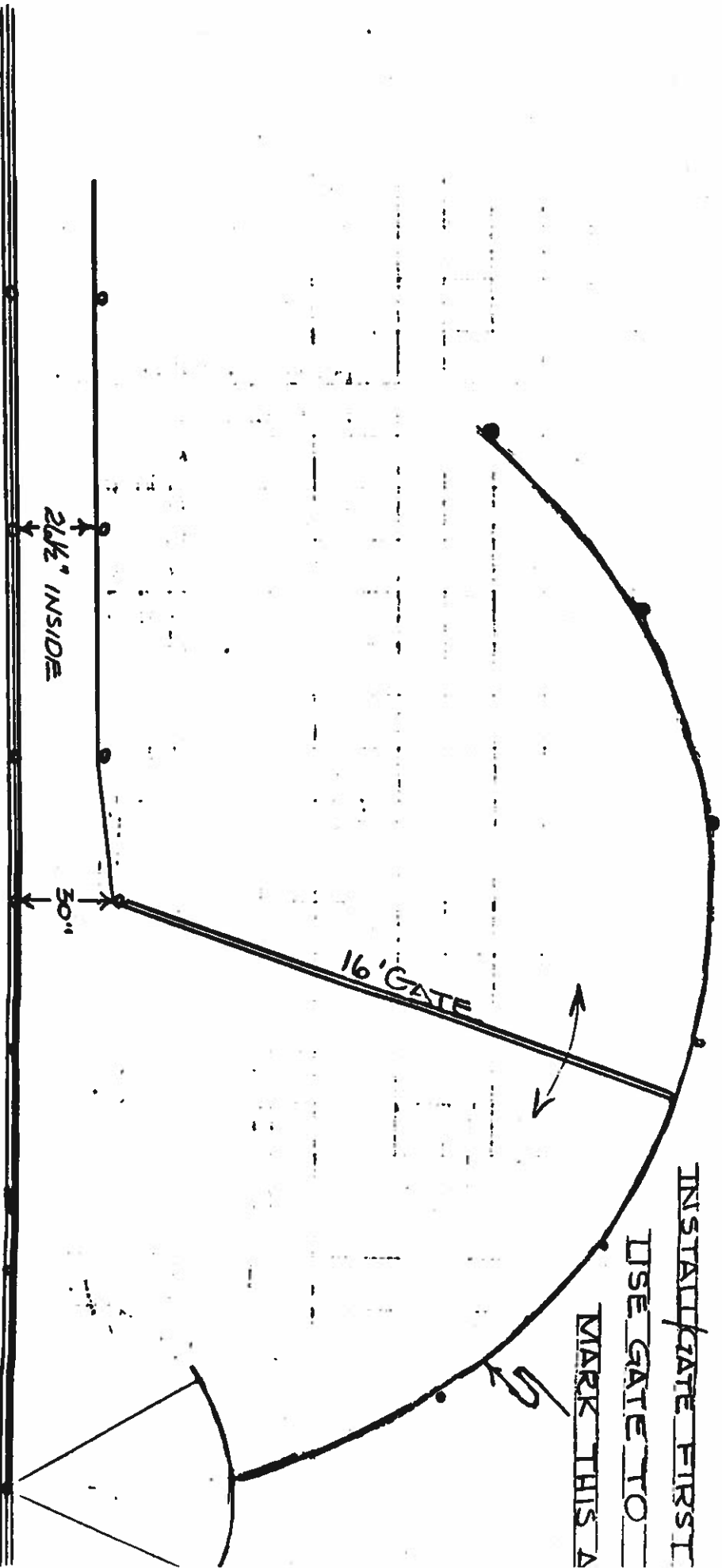
CURTIS BENNETT

ARENA



CURTAIN

# CROWDING PEN DETAIL



## FUTURE EXPANSION

၆

LOAD

सुप्रीम कोर्ट

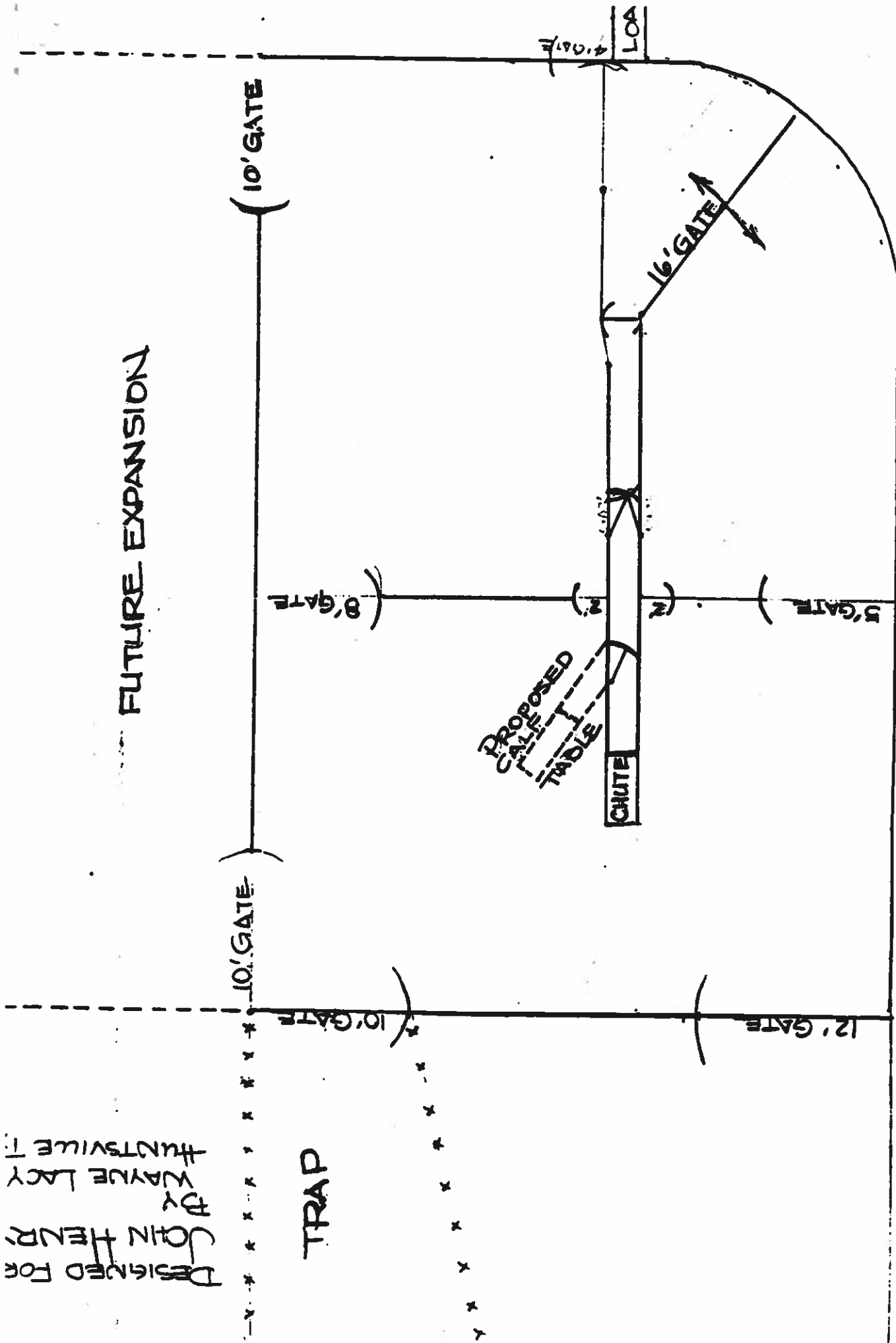
40'

FRAP

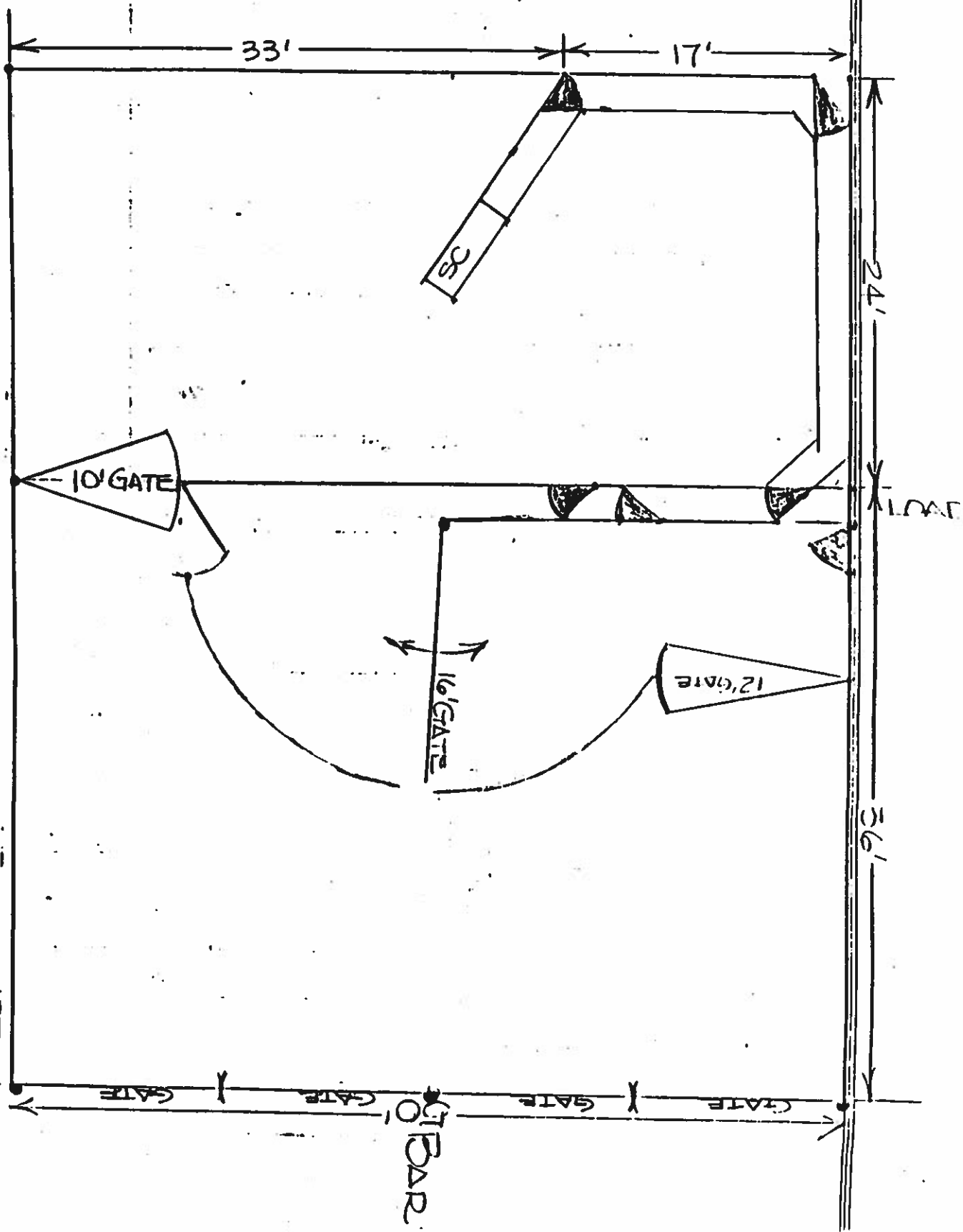


TRAP

## FUTURE EXPANSION

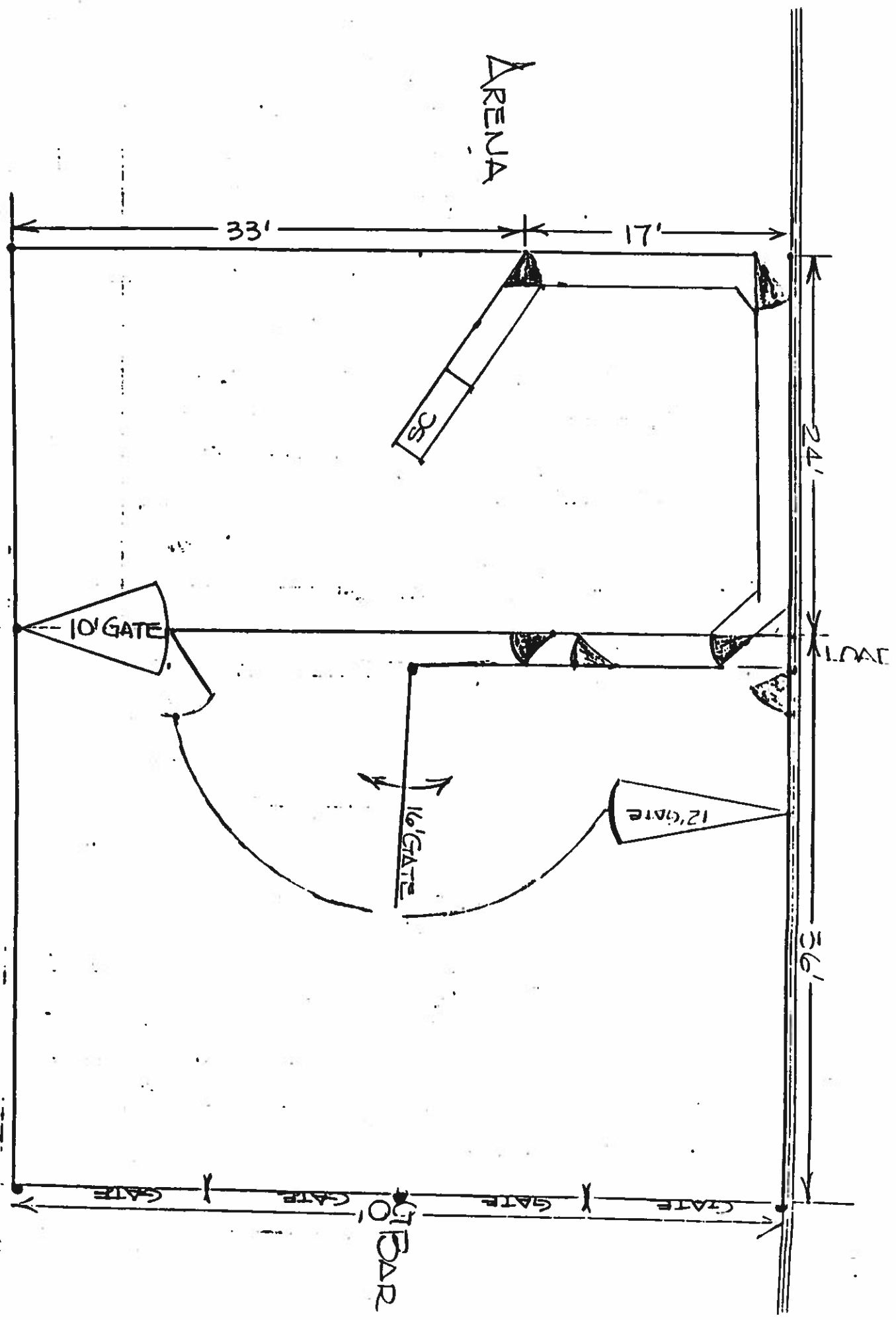


ARENA



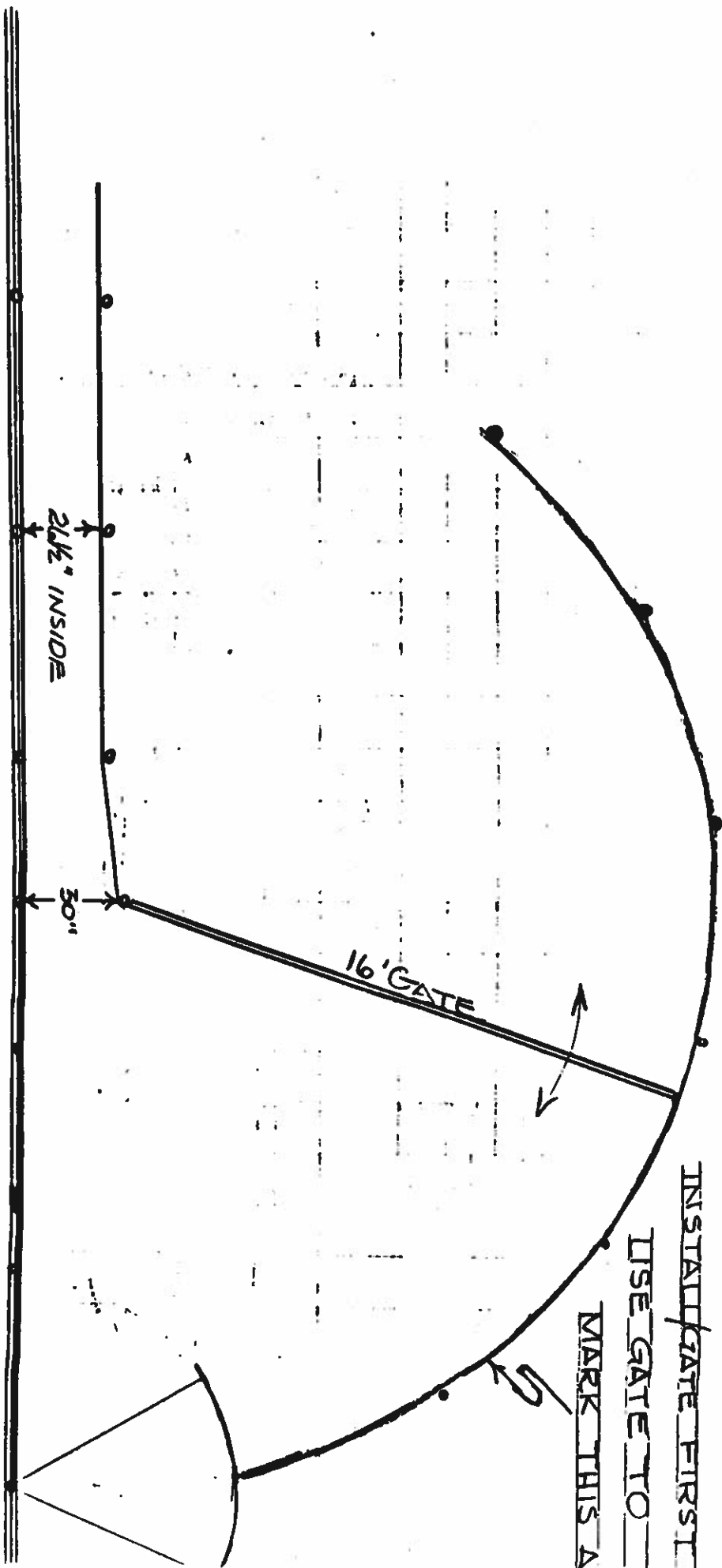
CURTIS BENNETT

CURTIS REUBENET



ARENA

# CROWDING PEN DETAIL



FUTURE EXPANSION

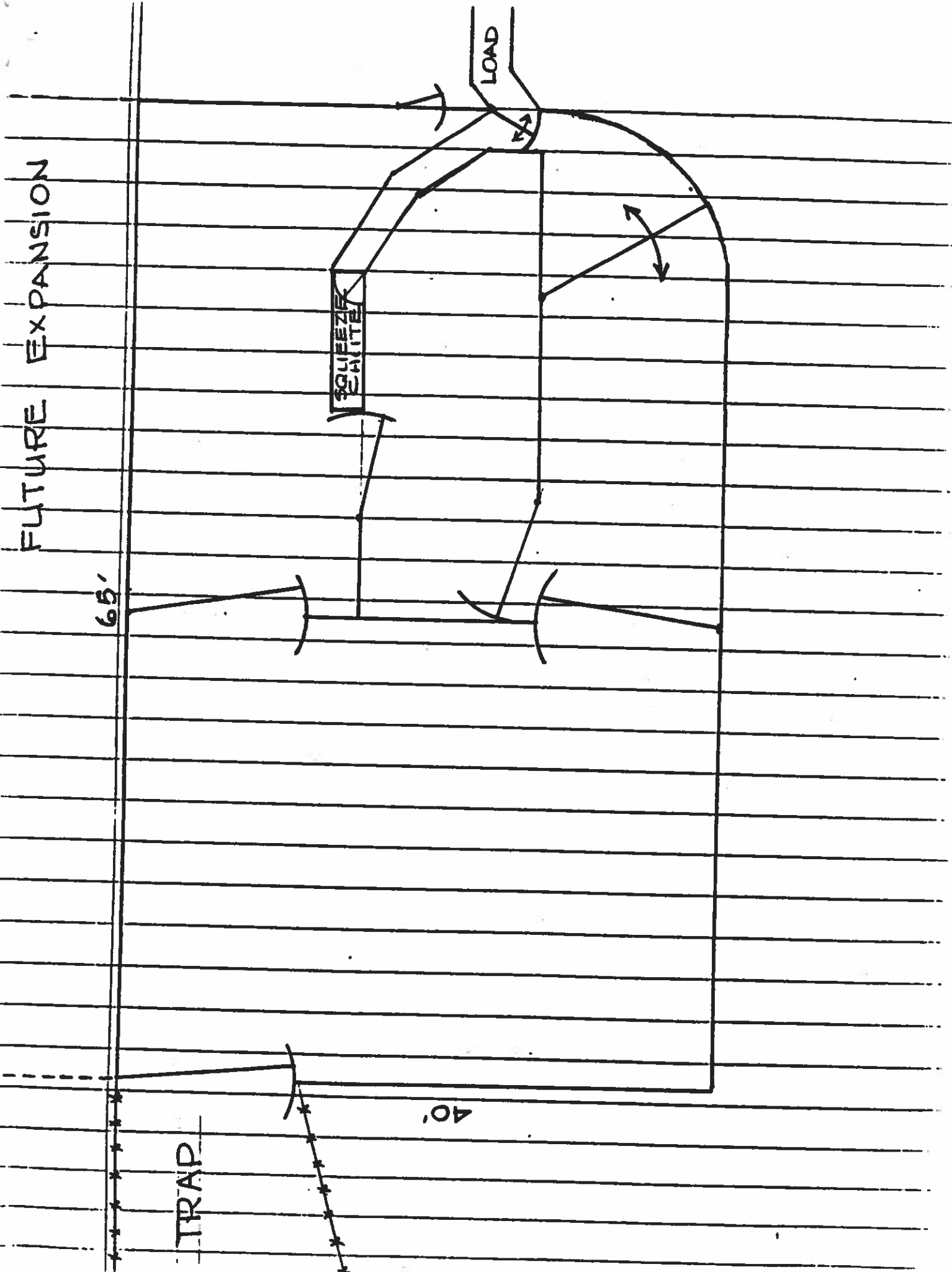
65'

SQUEEZER  
CHUTE

LOAD

40'

TRAP

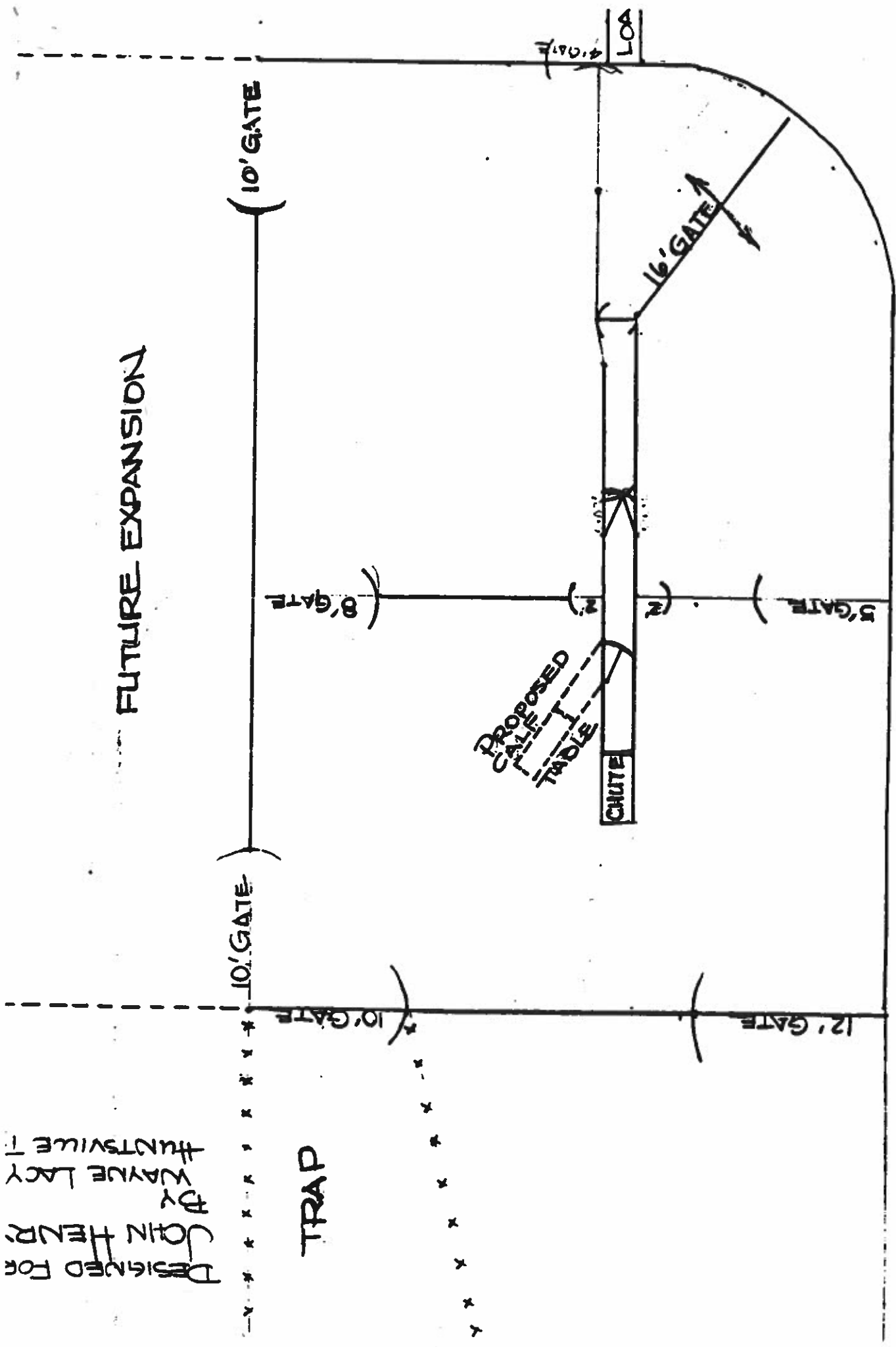




DESIGNED FOR  
JOHN HENRY  
BY  
WAYNE LACY  
HUNTSVILLE T.

FUTURE EXPANSION

TRAP

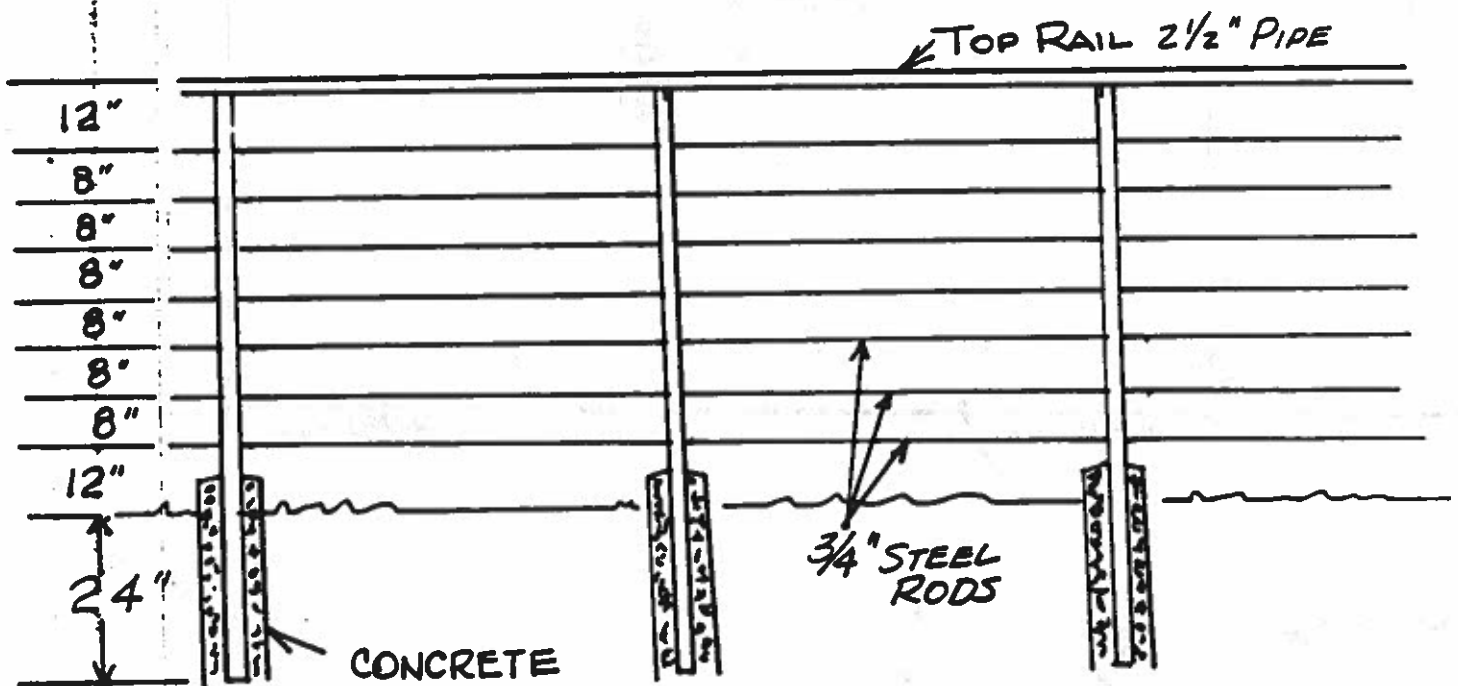


## Notes:

Posts  $2\frac{1}{2}$ "-3" diameter, Fence 6' tall will need posts 8' in length.  
(See diagram)

Rod spacing 8" on center (See diagram)

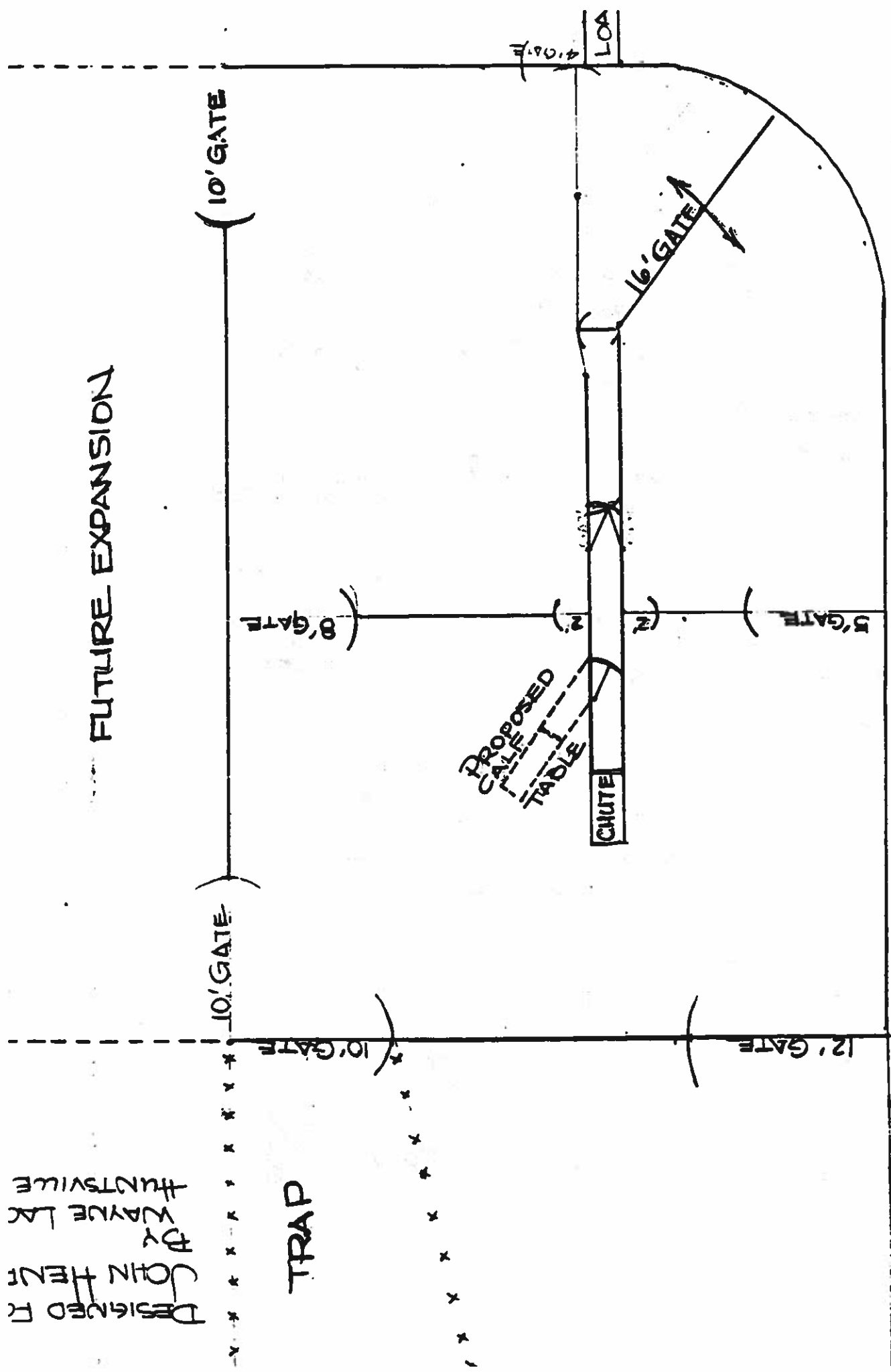
Gates may be placed in any of the corners to allow easy access to corral from pastures.  
Chute width of  $26\frac{1}{2}$ " will allow most cows under 1400 lbs to pass through. (Don't build chutes too wide)



DESIGNED BY  
JOHN HENR  
WAYNE LAC  
HUNTSVILLE

TRAP

FUTURE EXPANSION

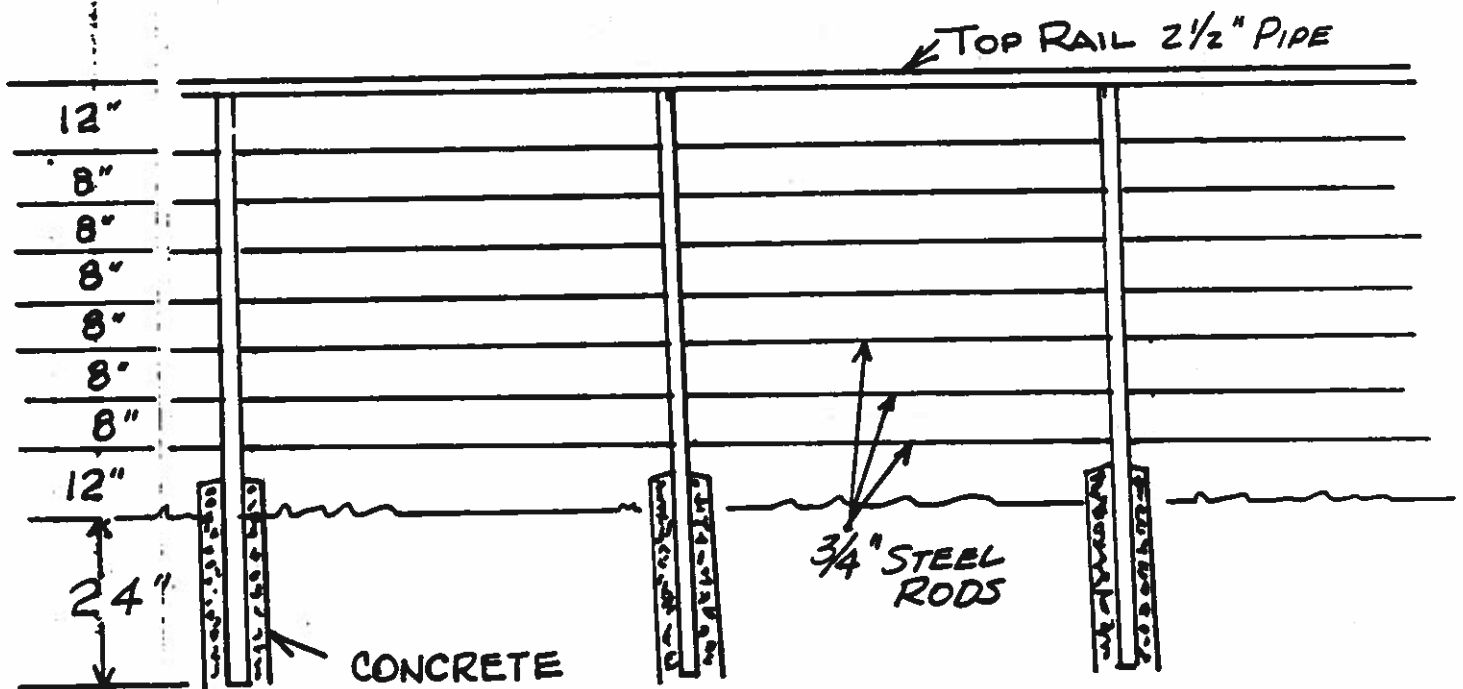


Notes:

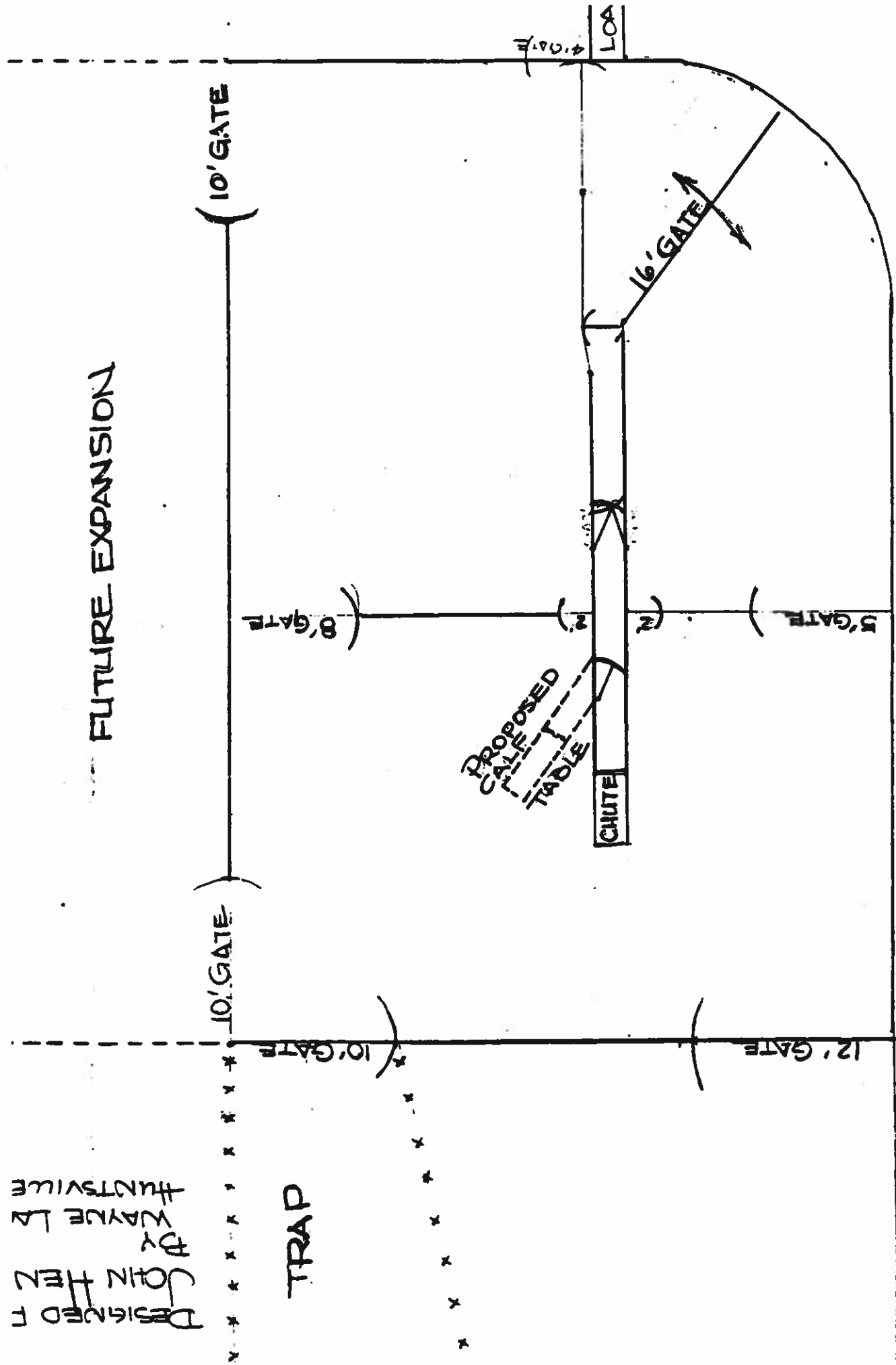
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TRAP

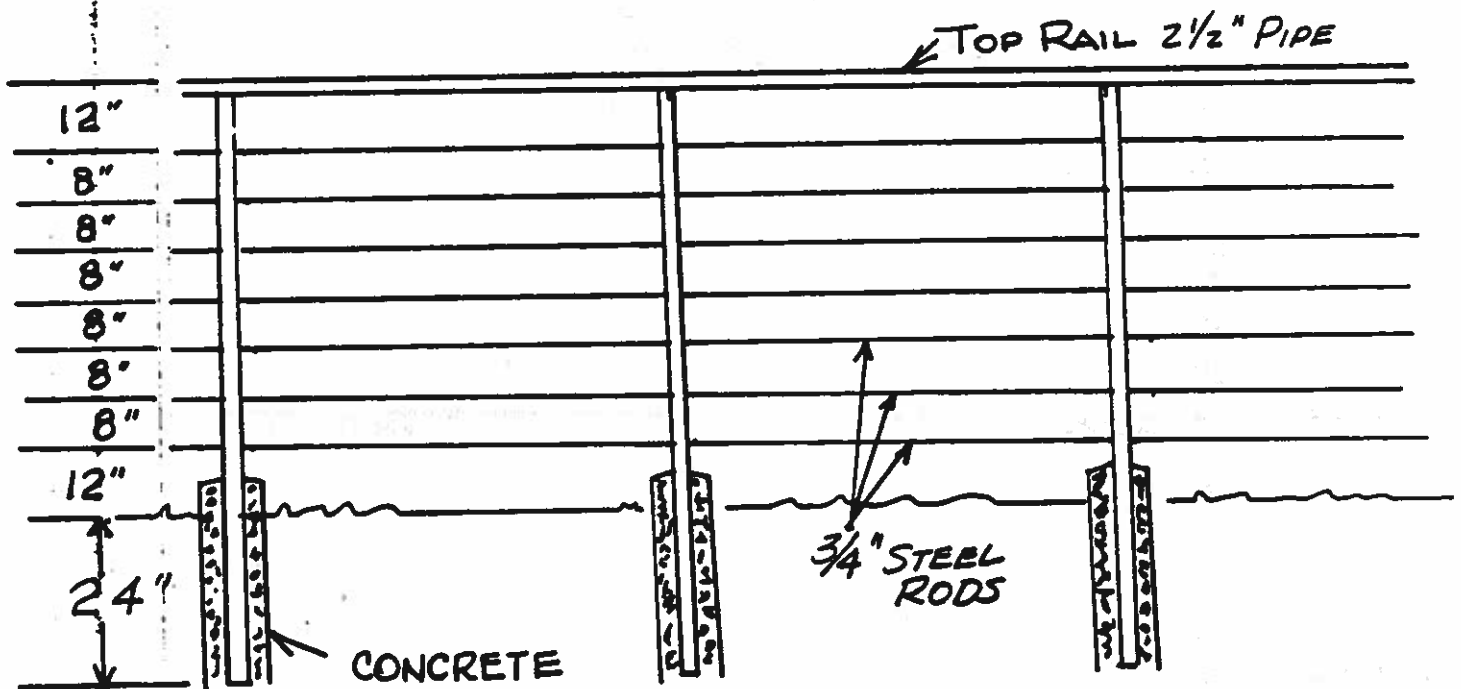


Notes:

Posts  $2\frac{1}{2}$ "-3" diameter, Fence 6' tall  
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(See diagram)

Rod spacing 8" on center (See  
diagram)

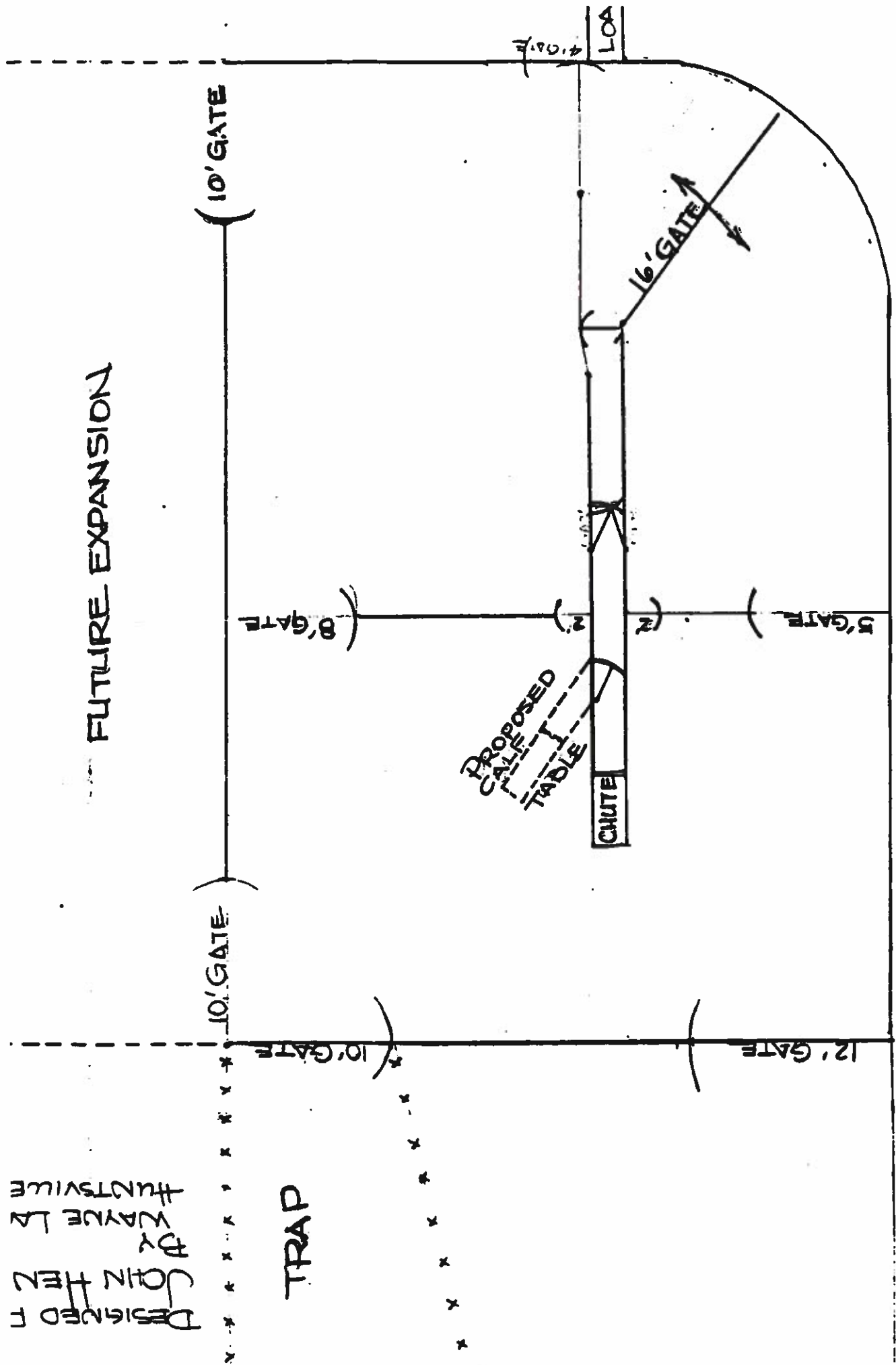
Gates may be placed in any  
of the corners to allow easy  
access to corral from pastures.  
Chute width of  $26\frac{1}{2}$ " will allow  
most cows under 1400 lbs to  
pass through. (Don't build  
chutes too wide)



DESIGNED BY  
JOHN HEN  
WAYNE LA  
HUNTSMIRE

TRAP

FUTURE EXPANSION

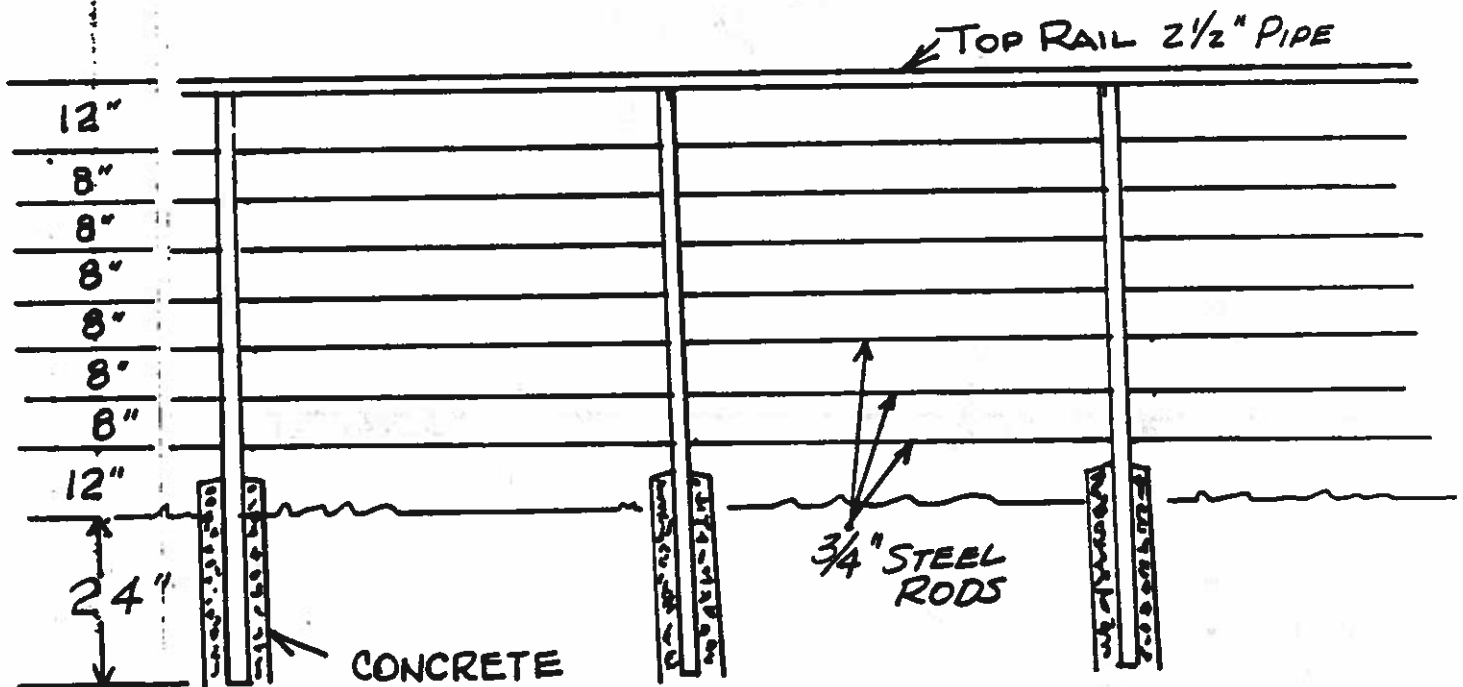


## Notes:

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(See diagram)

Rod spacing 8" on center (See diagram)

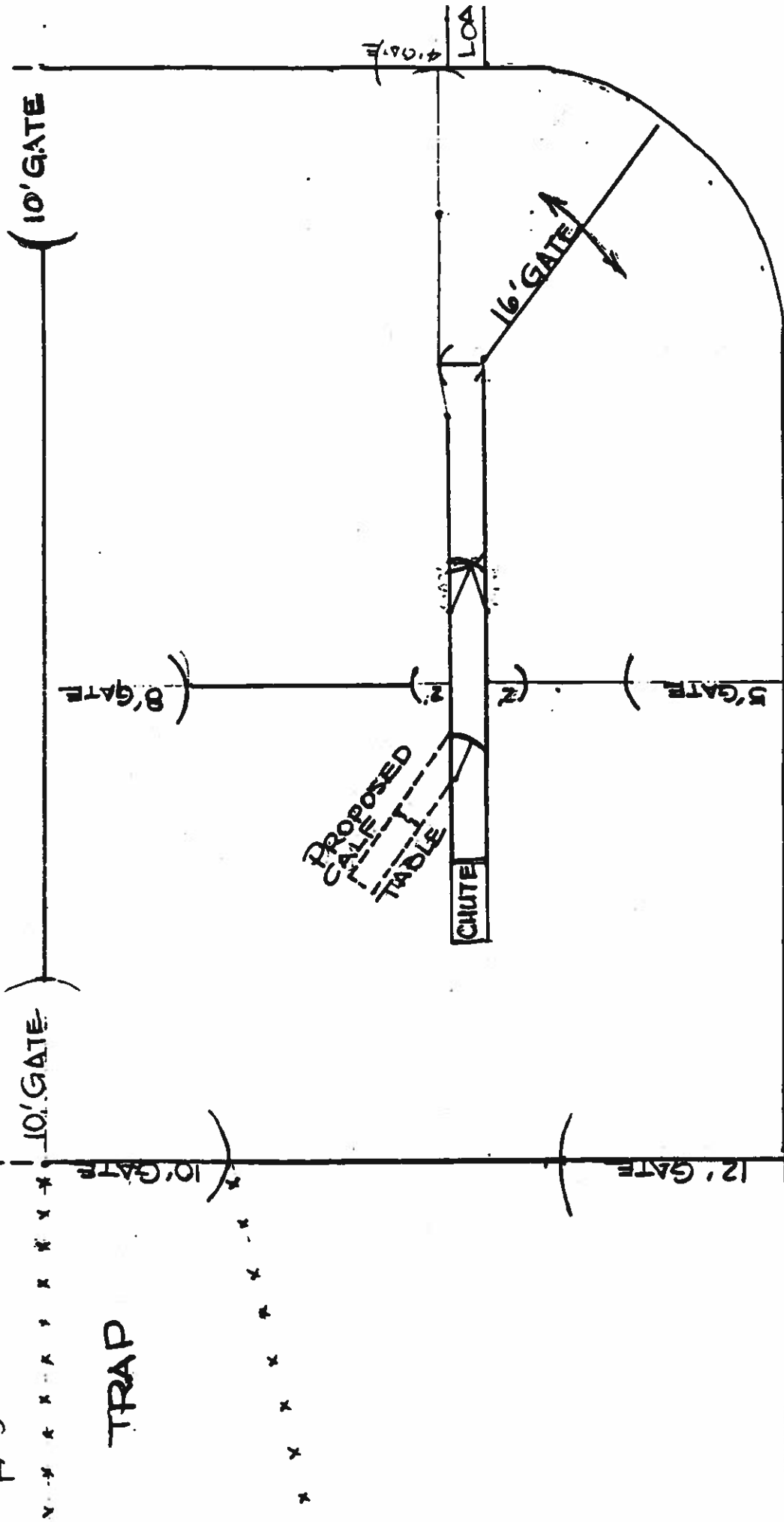
Gates may be placed in any of the corners to allow easy access to corral from pastures.  
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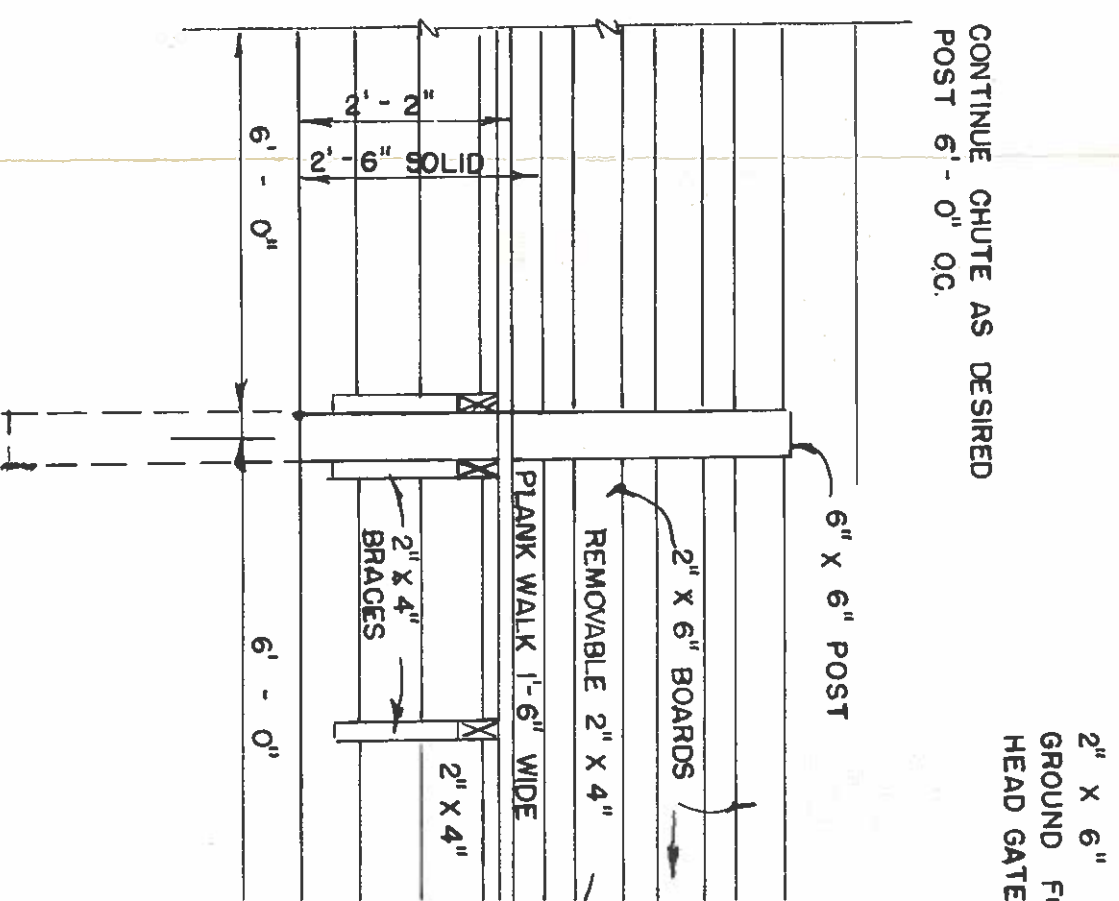
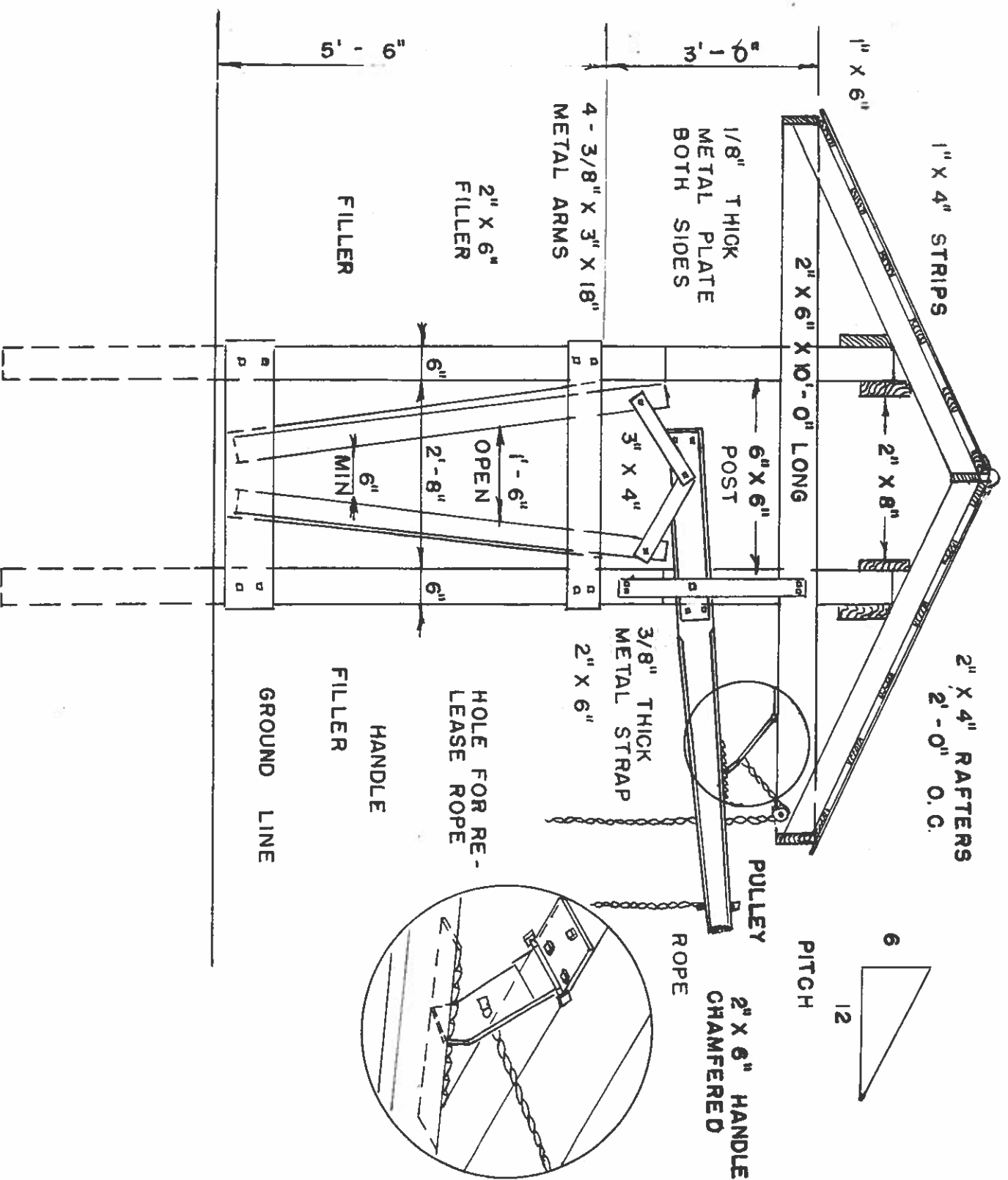


DESIGNED F  
JOHN HEN  
BY  
WAYNE LA  
HUNTSMIRE

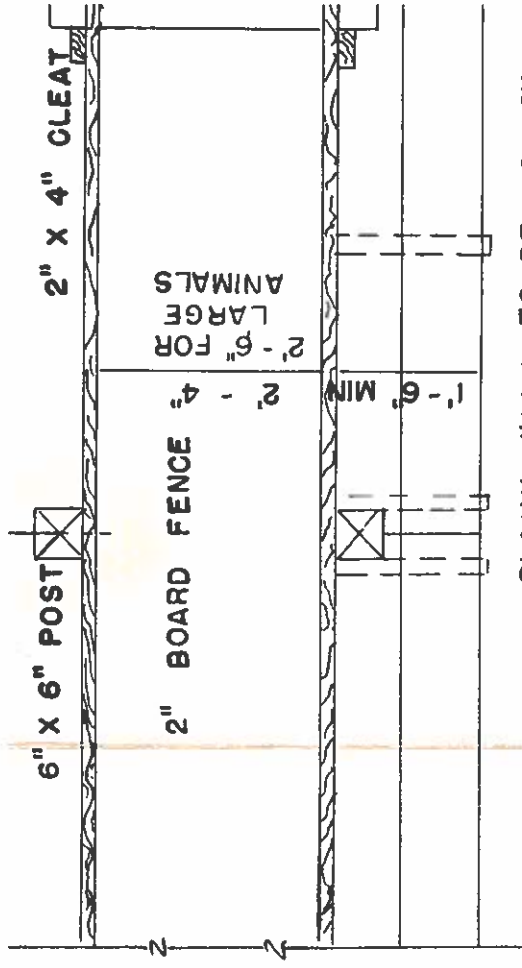
TRAP

FUTURE EXPANSION





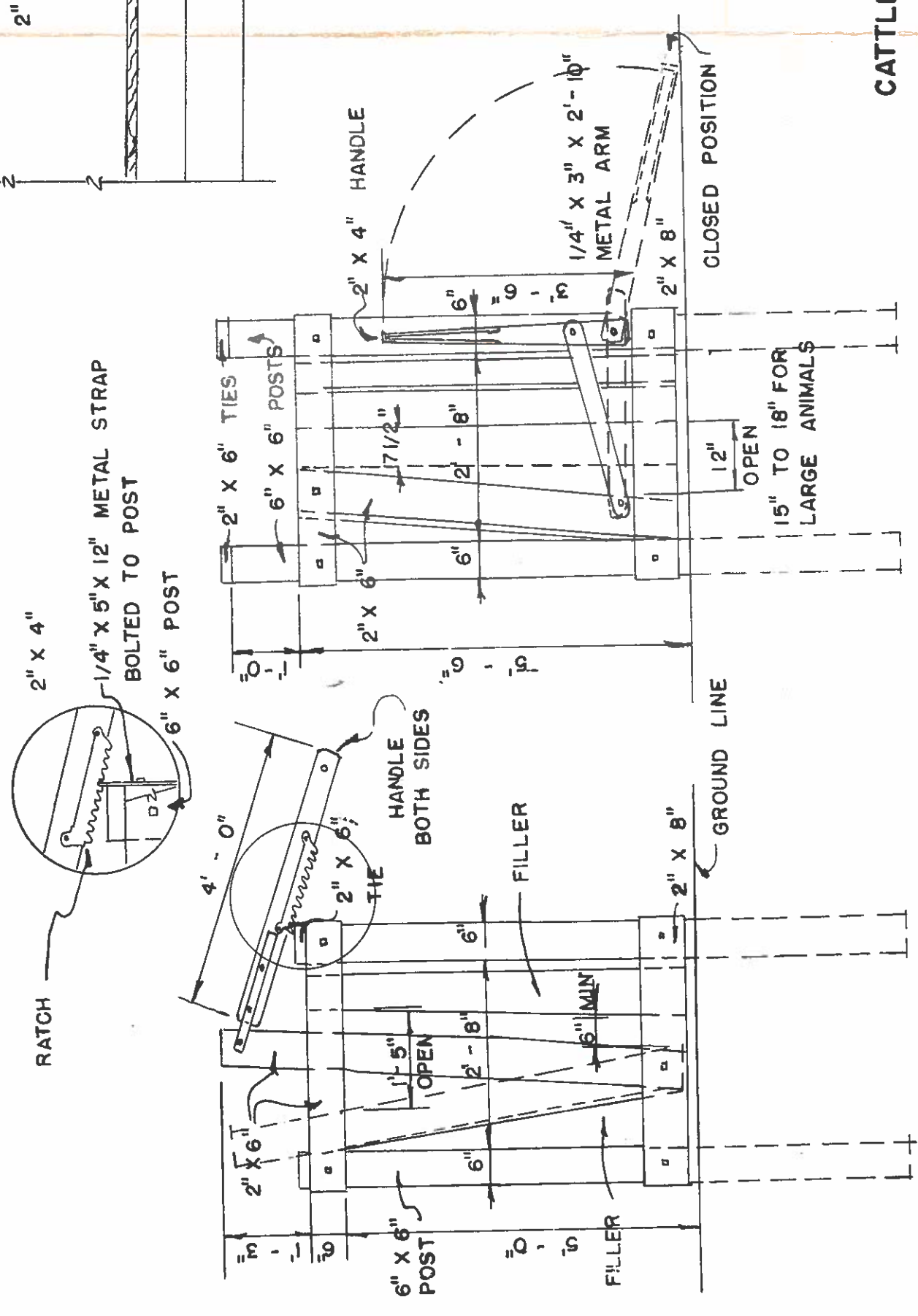
SIDE ELEVATION



PLANK WALK TO BE LOCATED ( MOST CONVENIENT SIDE OF CHURCH )

**NOTE**

PRESSURE TREATED LUMBE IS PR  
AS ALTERNATE:  
TREAT ALL POSTS AND LOWER BO  
WOOD PRESERVATIVE,



# CATTLE HOLDING CHUTE & HELPER

HEAD GATE  
ELEVATION

ALTERNATE  
HEAD GATE

**SCALE: 1/2" = 1'-0"**

5460

CONCRETE - 1 : 2½ : 5 MIX  
54 SACKS CEMENT 5 CU. YDS. SAND

**LUMBER**

29- 2"x6"x16' SILL AND TRIS  
106- 2"x6"x14' " PLATES & RAFTERS  
34- 2"x6"x12' " " BRACES  
43- 2"x4"x12' POSTS G/RTS & "  
8- 1"x8"x12' AIDGE  
33- 1"x6"x12' TRIM & DOOR BATTENS  
16- 1"x4"x10' " " BRACES  
5- 1"x3"x10' "  
18- 1"x2"x14' "

2600 SQ. FT. ROOF AREA  
3500 FT. B.M. SHEATHING  
375 FT. B.M. 1"x8" SUPPL. FOR NOGS

100 LBS. 16 d. COMMON NAILS  
100 " 8d. "  
12 - 2"x8"x12' PLATES  
2 - 2"x8"x20' RAFTERS  
7 - 2"x4"x16' POSTS & B  
15 - 2"x6"x8' POSTS  
23 - 4"x4"x8' "  
85 - 1"x12"x12' SIDING  
16 1"x12"x14' "  
83 - 1"x2"x12' BATTENS

33- 2" x 4" x 12'  
9- 2" x 10" x 12'  
9- 1" x 10" x 12'  
27- 1" x 8" x 12'

TEXAS AGRICULTURAL EXTENSION SERVICE  
THE TEXAS A&M UNIVERSITY SYSTEM  
AND  
U. S. DEPARTMENT OF AGRICULTURE COOPERATING  
DANIEL C. PEARMANSTEEL, DIRECTOR, COLLEGE STATION, TEXAS

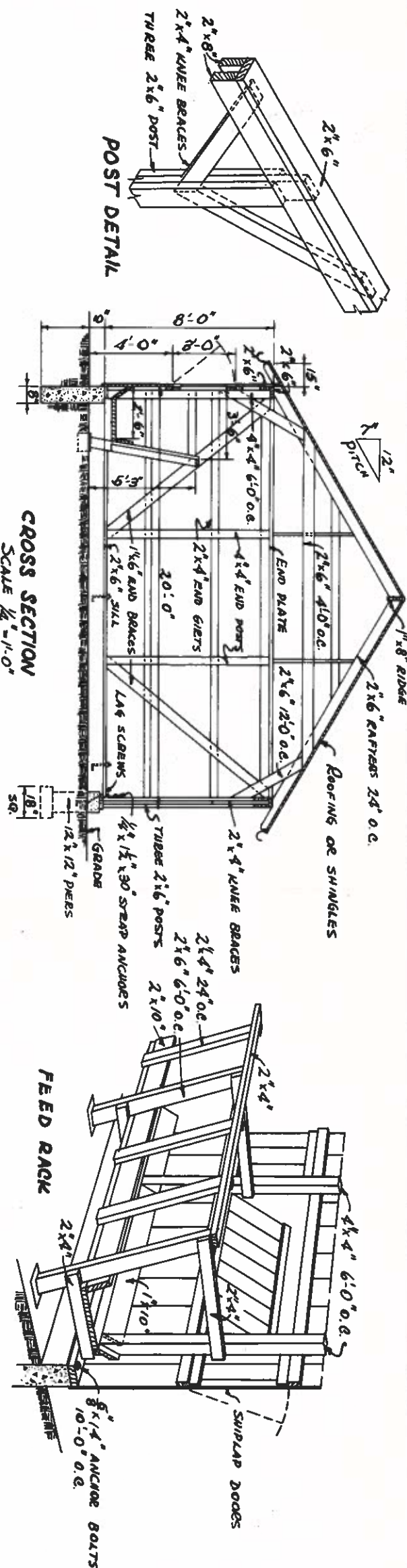
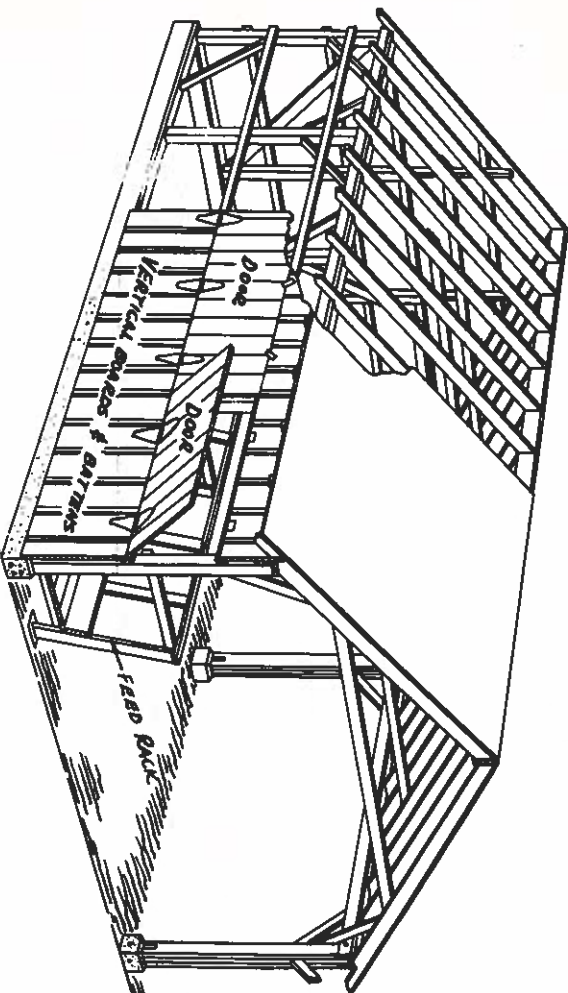
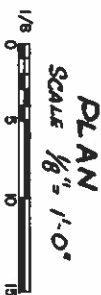
## CATTLE SHED

**DRAWN BY:** **SCALE:**

**TRACED BY:**

7179

**SERIAL NO. 5460**



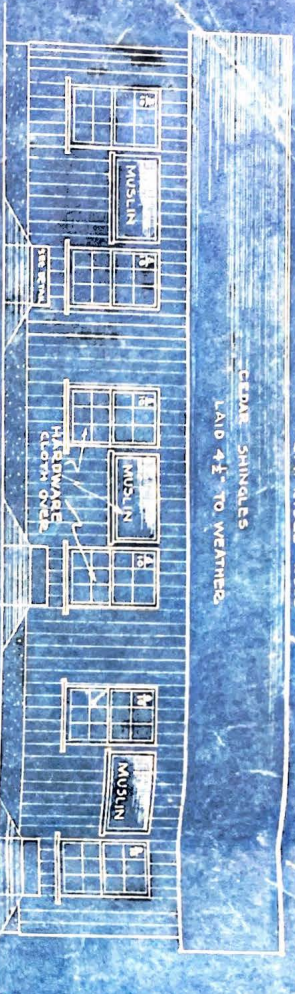
## POST DETAIL

**CROSS SECTION**  
SCALE  $\frac{1}{4}" = 1'-0"$

## FEED RACK

C. I. RIDGE POLE

CEDAR SHINGLES  
LAID 4" TO WEATHER



FRONT ELEVATION

CEDAR SHINGLES

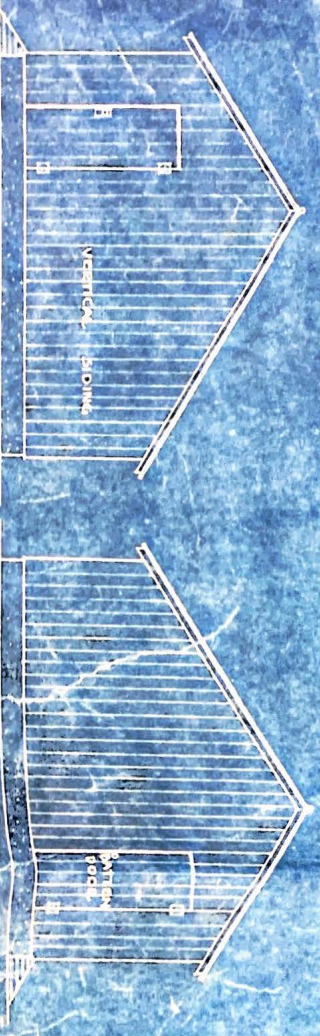


VENTILATORS

VERTICAL BOARD

CONCRETE

REAR ELEVATION



EAST END ELEVATION

WEST END ELEVATION

SCALE OF ELEVATIONS 1/4" = 1'-0"

# BILL OF MATERIAL

| NO. REQ'D   | SIZE          | GRADE             | REMARKS                 |
|-------------|---------------|-------------------|-------------------------|
| 40 BAGS     |               |                   | CEMENT                  |
| 4 M.C.U.M.  |               |                   | SAND                    |
| 16 L.V.D.   |               |                   | CRUSHED ROCK OR GRAVEL  |
| 3           | 2X6 X8'-0"    | NO. 1 Y.P. OR HD. | WINDOW SILL             |
| 9           | 2X4 X8'-0"    | BATTENS           | STUDS-CROSS TIES-BOARDS |
| 28          | 2X4 X16'-0"   |                   | STUDS-CROSS TIES-BOARDS |
| 19          | 2X4 X16'-0"   |                   | STUDS-CROSS TIES-BOARDS |
| 7           | 2X4 X16'-0"   |                   | STUDS-CROSS TIES-BOARDS |
| 210 BM.     | 6'-5'-0"      | D&M SIDING        | REAR WALL               |
| 200 BM.     | 6'-7'-0"      |                   | FRONT WALL              |
| 96 BM.      | 6'-12'-0"     |                   | END WALLS               |
| 224 BM.     | 6'-12'-0"     | NO. 1 SHIP LAP    | PARTITIONS              |
| 230 BM.     | 6'-12'-0"     | NO. 1 SHIP LAP    | VENTILATORS             |
| 12          | 11/4 X12'-0"  | NO. 1 FINISH      | CEATS                   |
| 10          | 11/4 X12'-0"  | NO. 1 FINISH      | WINDOW STOP             |
| 132 LM. FT. | 2 X 3 1/2     | PLAIN BAL.        | WINDOW DOORS            |
| 6           | 6/4 RLT       |                   | SHEDDING                |
| 370 B.M.    | 11/4 X12'-0"  | NO. 2 COMMON      | SHEDDING                |
| 32 BUNDLES  | 5'-2"         | CLEAR             | HARDWARE CLOTH          |
| 40 LIN. FT. | 30'           | 1/2 GALV.         | RIDGE BOAL              |
| 40 LIN. FT. | 30'           | 1/2 GALV.         | INSULATING BOARD        |
| 12          | 4'-0" X12'-0" |                   | BOARDS FOR SILL         |
| 40          | 1/2 X10'      |                   | STAILS                  |
| 110         | 1/2 X10'      |                   | STAILS                  |
| 470         | 3'-0"         |                   | STAILS                  |
| 10 LBS.     | 16'-0"        |                   | SHINGLES                |
| 22 LBS.     | 7'-0"         |                   | SHINGLES                |
| 15 LBS.     | 7'-0"         |                   | SHINGLES                |
| 10 LBS.     | 6'-0"         |                   | SHINGLES                |
| 35 LBS.     | 4'-0"         |                   | SHINGLES                |
| 3 GAL.      |               |                   | PAINT                   |
| 126'-0"     | 1'-3"         |                   | PASCIA                  |
| 3           | 11/4 X12'-0"  |                   | RIDGE BOARD             |
| 4           | 2'-6" X12'-0" |                   | SILLS                   |
| 1           | 1'-6" X10'-0" |                   | VERTICAL TIES-BATTENS   |
| 45'-0"      | 1'-2"         |                   | MUSLIN                  |
| 4 YDS.      | 2'-4"         |                   | MUSLIN                  |

COOPERATIVE EXTENSION SCHOOL  
AGRICULTURE AND HOME ECONOMICS

A&M COLLEGE OF TEXAS

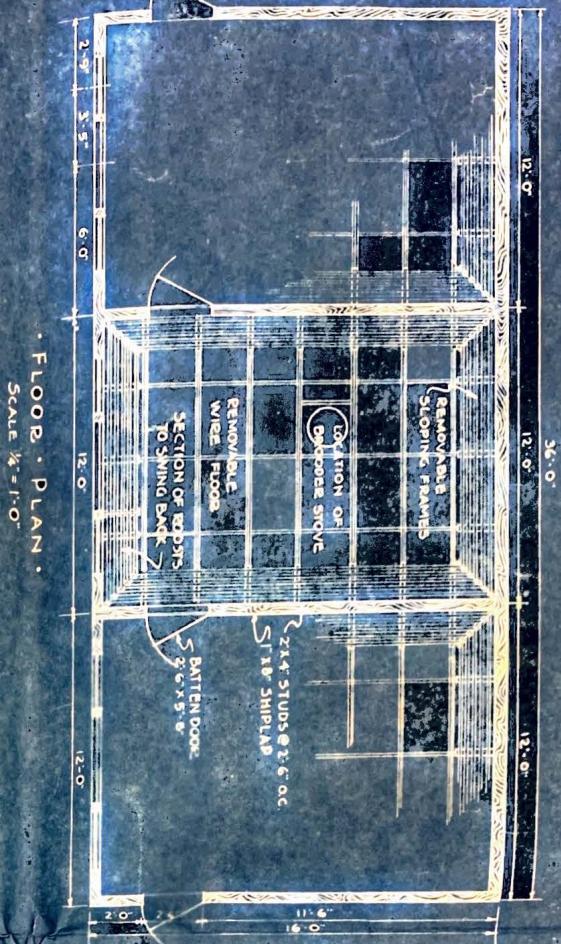
U.S. DEPT. OF AGRICULTURE COOPERATION  
H. E. WILLIAMSON, DIRECTOR, COLLEGE STATION, TEXAS

STATIONARY BROODER HOUSE

N.W. EX 529 Sheet 1 of 3

1933

5291

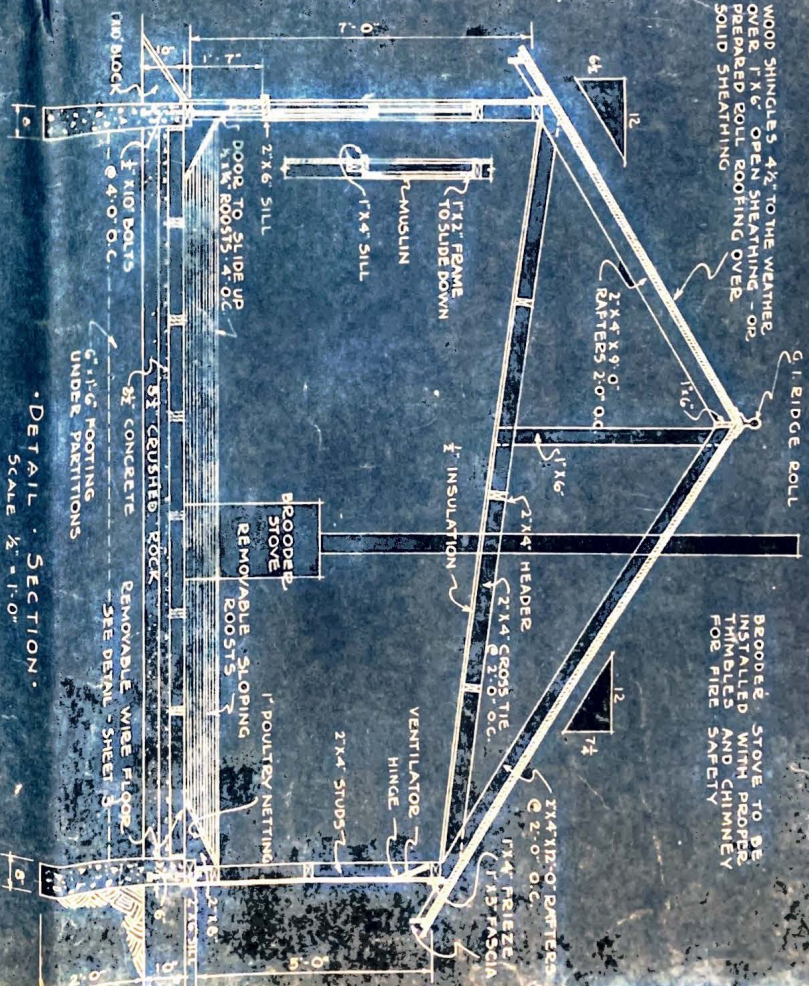


REAR WALL FRAMING



FRONT WALL FRAMING

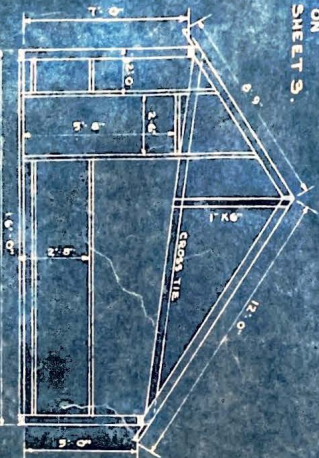
SCALE 1/8" = 1'-0"



NOTE: A 6"x12" SASH MAY BE USED IN PLACE OF MULLIN ON FRAMES. SEE DETAIL ON SHEET 3.

END FRAMING

SCALE 1/8" = 1'-0"



COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS  
A. M. COLLEGE OF TEXAS

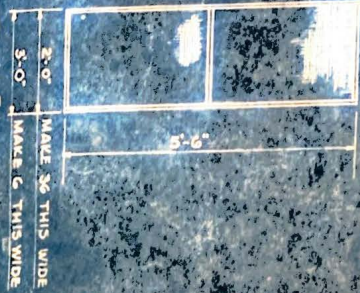
| BILL OF MATERIAL              |      |                 |               |                     |
|-------------------------------|------|-----------------|---------------|---------------------|
| NO.                           | REQ. | SIZE            | GRADE         | REMARKS             |
| SANITARY FLOOR                |      |                 |               |                     |
| 64                            |      | 12"x12"x1/2"    | CONCRETE      | BEAMES              |
| 3                             |      | 12"x12"x1/2"    | BOX           | BEAMES              |
| 51533                         |      | 7/8"            | BOX           | NAIJS               |
| 20001NLT                      |      | 5" MESH         | GALVANIZED    | WALLBRACE CLOTH 24" |
| 35                            |      | 3/4"            |               | 30"                 |
| SLOPING ROOSTS                |      |                 |               |                     |
| REMOVABLE SUPPORTS FOR ROOSTS |      |                 |               |                     |
| 4                             |      | 2" x 2" x 1/2"  | CONCRETE      | ROOSTS              |
| 6                             |      | 1/2" x 3/4"     | DRILLING STOP | ROOSTS              |
| 1700 LINT                     |      | 1/2" MESH       | GALVANIZED    | POULTRY NESTING     |
| 21523                         |      | 1/2" INCH       | BOX           | STRAPS              |
| 2155                          |      | 6/8"            | BOX           | NAIJS               |
| ROOSTS                        |      |                 |               |                     |
| 15                            |      | 2" x 12" x 1/2" | CONCRETE      | ROOSTS              |

DOOR DETAILS  
SCALE  $\frac{3}{4}"=1'-0"$



REMOVABLE FLOOR, BUILT OF 2" X 5'-6" UNITS - EACH A 1' X 4' FRAME COVERED ON THE UPPER SURFACE BY HARDWARE CLOTH OF 1/2" MESH

Sanitary Floor  
Scale 1"=1'-0"



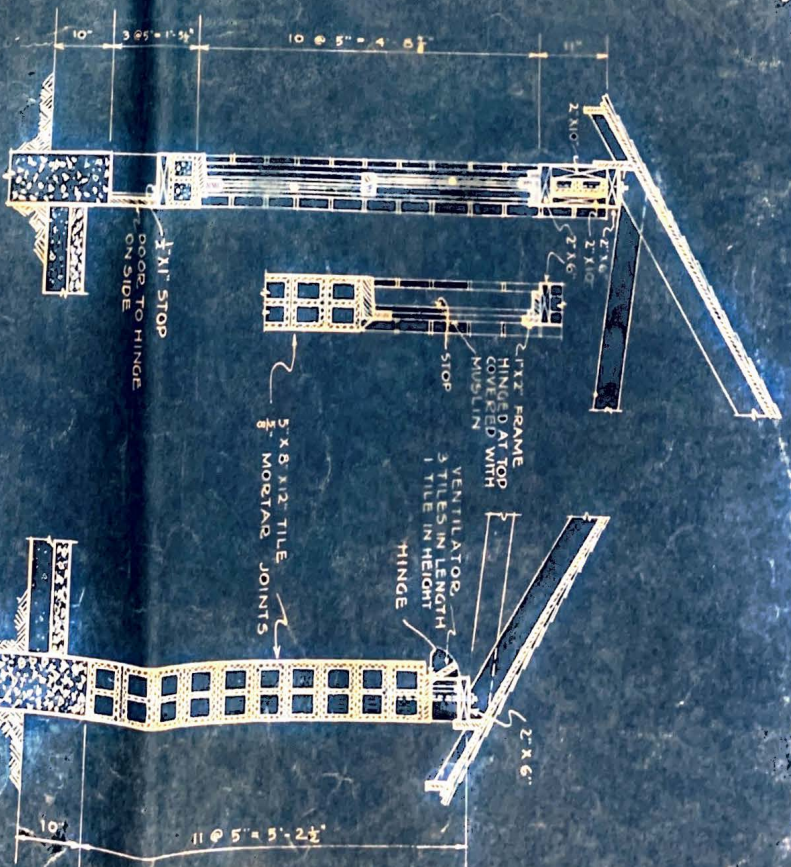
NOTE: ALL LINES OF TILE FILLED WITH CONCRETE TO BE AT LEAST 1-0" LONGER THAN WIDTH OF OPENING

2. IF BASE PLACED NEAR BOTTOM OF CONC.

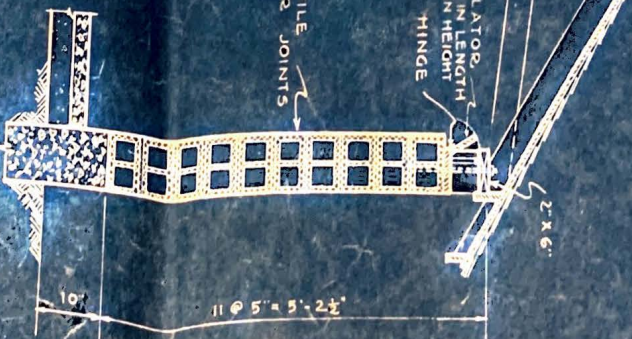
## Door Details



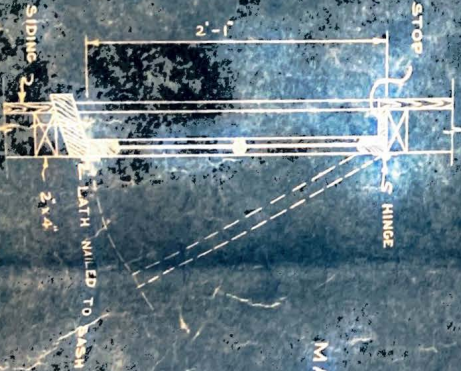
FRONT-WALL.  
MASONRY WALL CONSTRUCTION



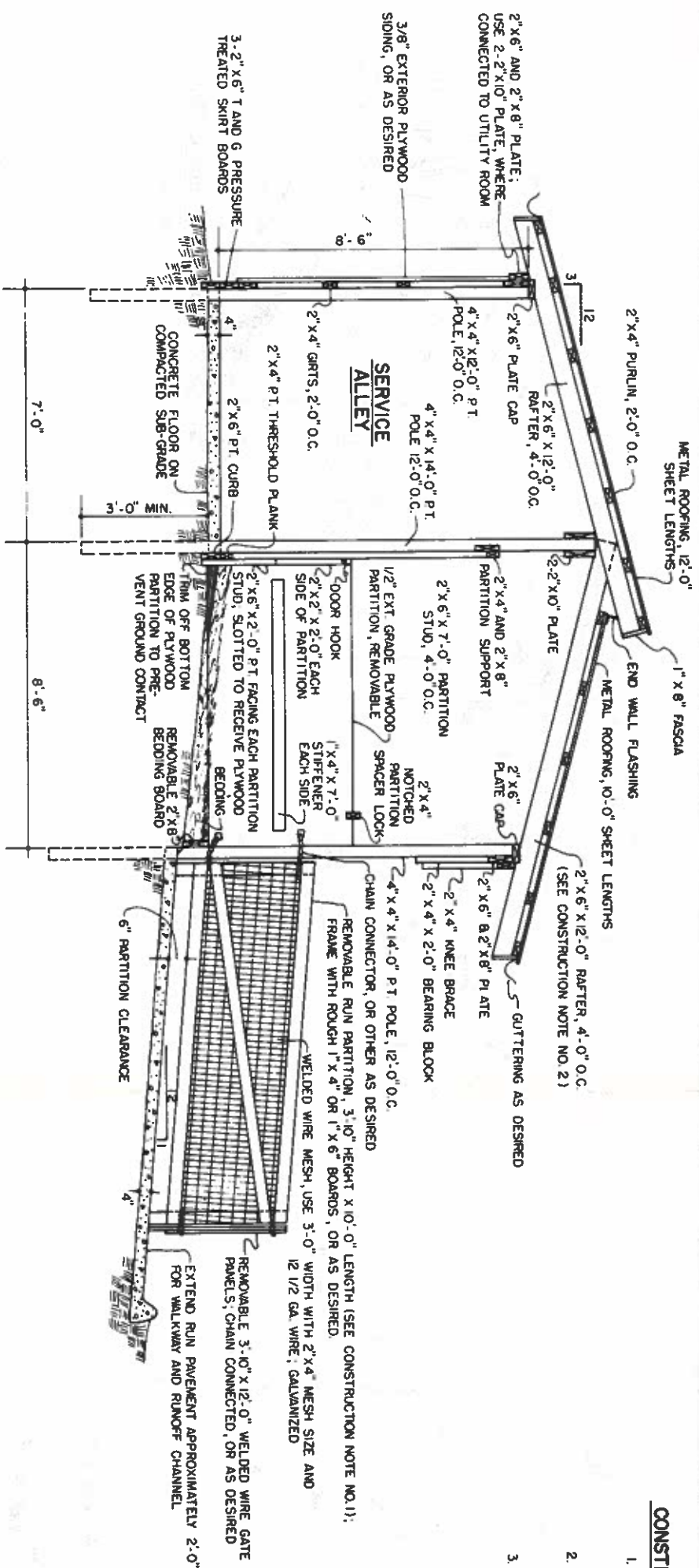
BEAR · WALT ·



DETAIL OF WINDOW USED AS  
ALTERNATE FOR MUSLIN FRAMES.

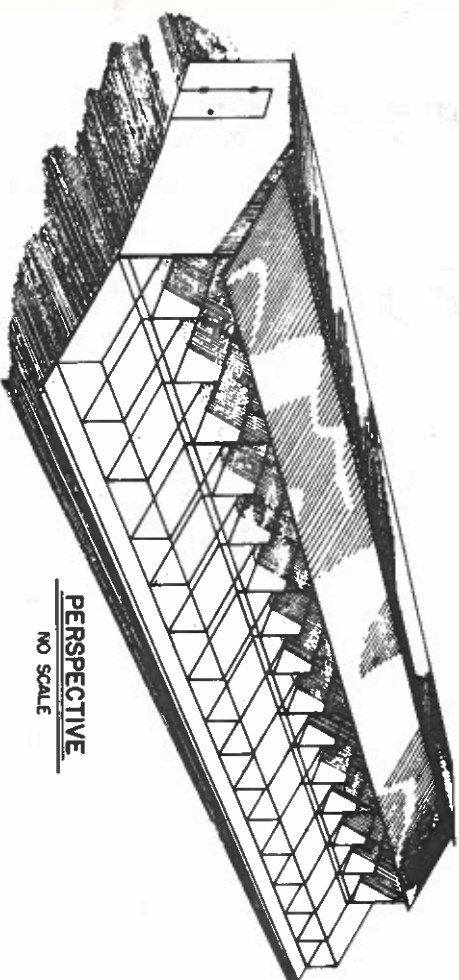
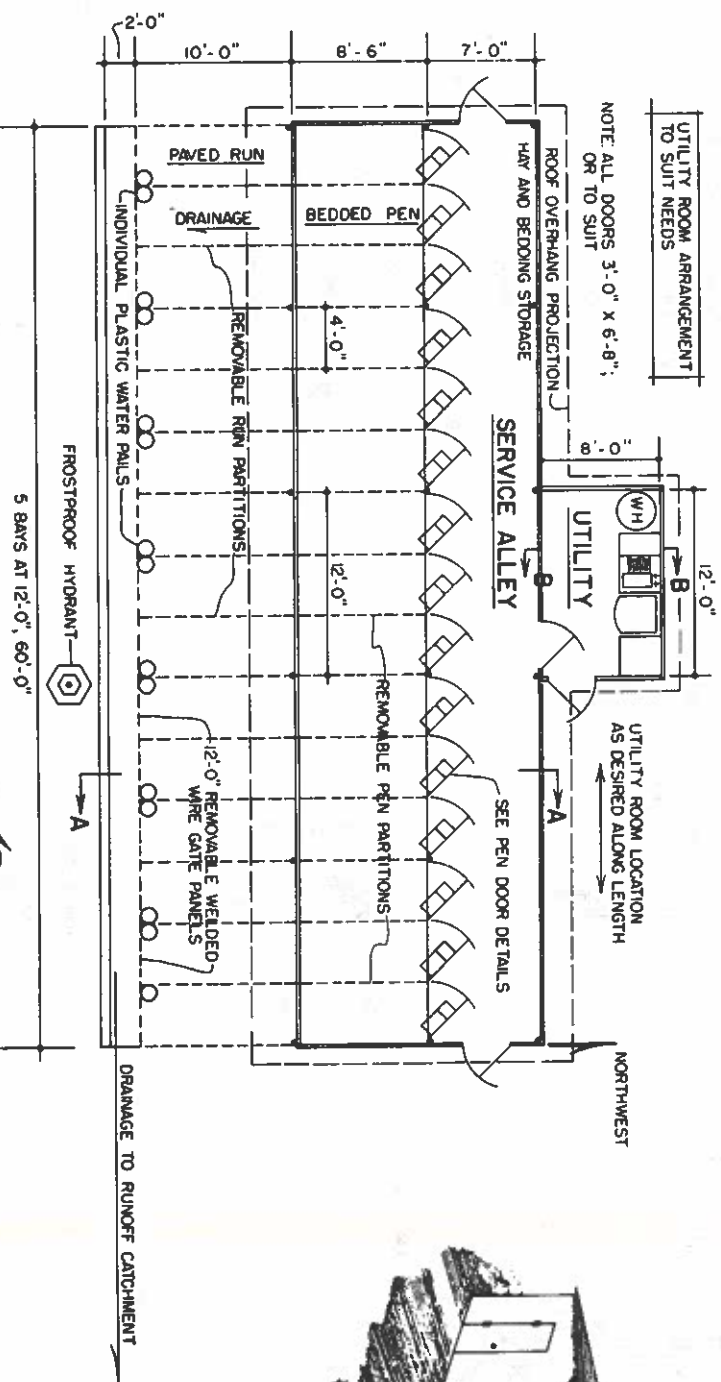


COOPERATIVE EXTENSION WORK IN  
AGRICULTURE AND HOME ECONOMICS  
A. M. COLLEGE OF TEXAS  
U. S. DEPT. OF AGRICULTURE COOPERATING  
H. H. WILLIAMSON, DIRECTOR, COLLEGE STATION, TEXAS  
STATIONARY BOOK



**SECTION A-A**

SCALE: 3/8"=1'-0"



## **PERSPECTIVE**

NO SCALE

**NOTE:**

**CONSULT LOCAL HEALTH AND BUILDING  
CODE AUTHORITIES BEFORE STARTING  
CONSTRUCTION.**

**TEXAS AGRICULTURAL EXTENSION SERVICE**

THE TEXAS A&M UNIVERSITY SYSTEM  
AND  
U. S. DEPARTMENT OF AGRICULTURE COOPERATING  
DANIEL C. FRANNSTIEL, DIRECTOR, COLLEGE STATION, TEXAS

## COLD CALF HOUSING INDIVIDUAL CONFINEMENT

|           |                 |
|-----------|-----------------|
| DRAWN BY: | SCALE: AS NOTED |
|-----------|-----------------|

TRACED BY: SHEET 1 OF 2

|      |                |
|------|----------------|
| 8-77 | SERIAL NO 6271 |
|------|----------------|

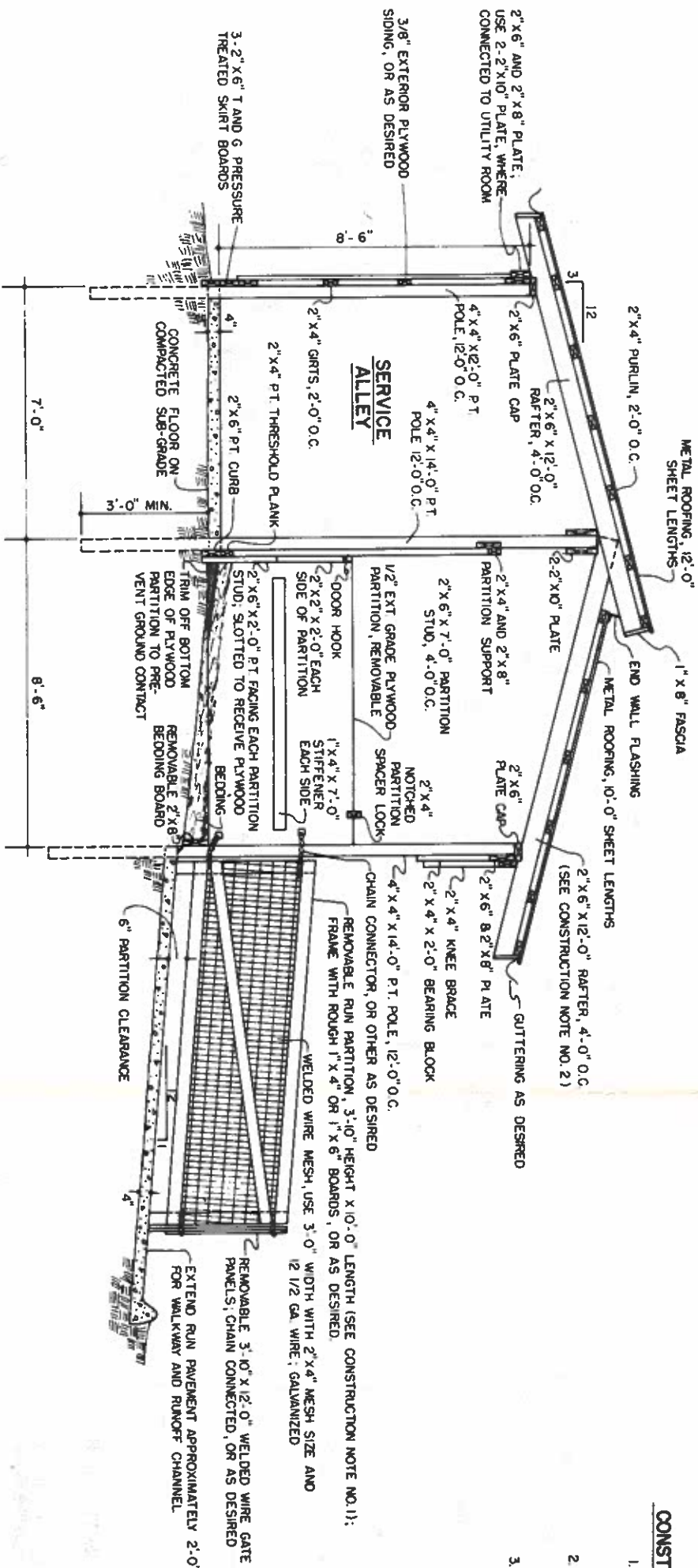
## CONSTRUCTION NOTES

1. WIRE RIN PARTITIONS ARE 3'-6" LONG WHERE CONNECTED TO FRONT POLES (6 REQUIRED IN 15' - PEN UNIT).
2. USE FRAMING ANCHORS, PLUMBERS STRAP, OR OTHER MEANS TO SECURE RAFTERS AGAINST WIND UPLIFT.
3. UTILITY ROOM SHOULD BE INSULATED AND HEATED; TYPE OF INSULATION AND LINING MATERIALS ARE LEFT TO BUILDER'S DISCRETION

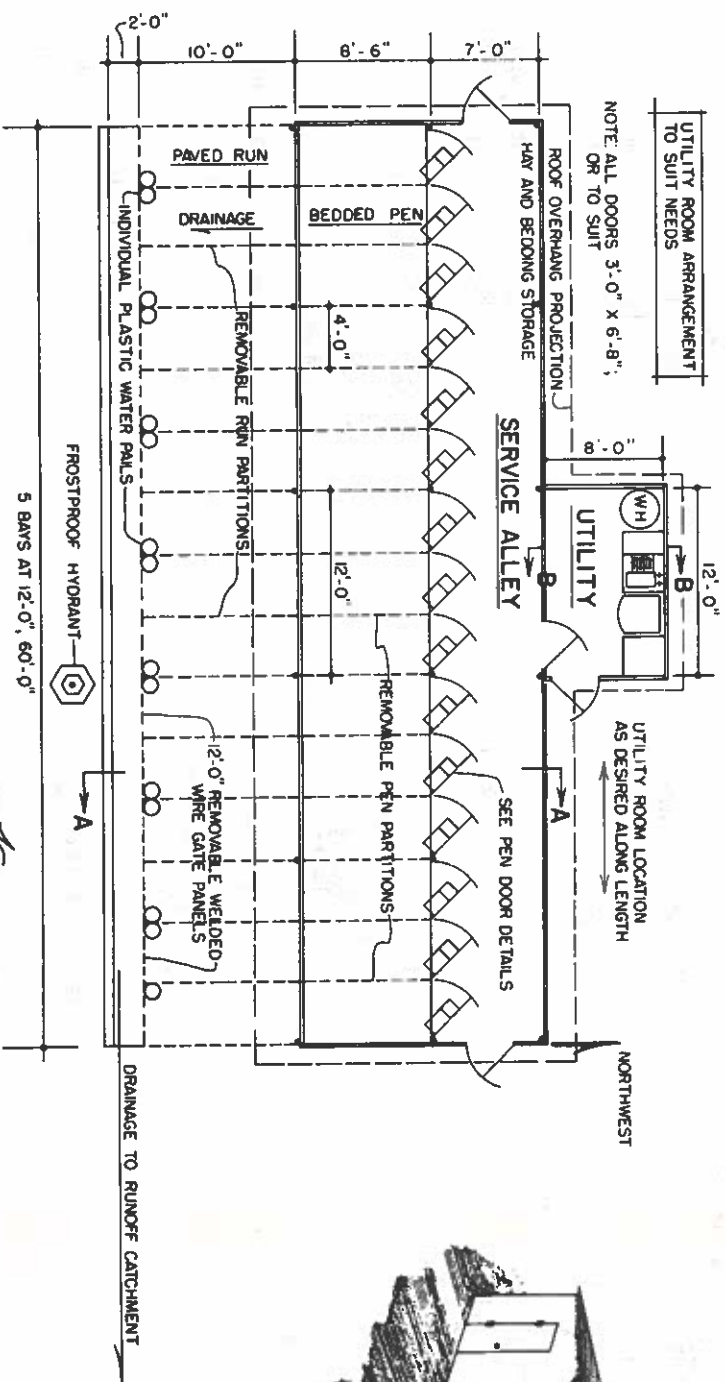
6271

CONSTRUCTION NOTES

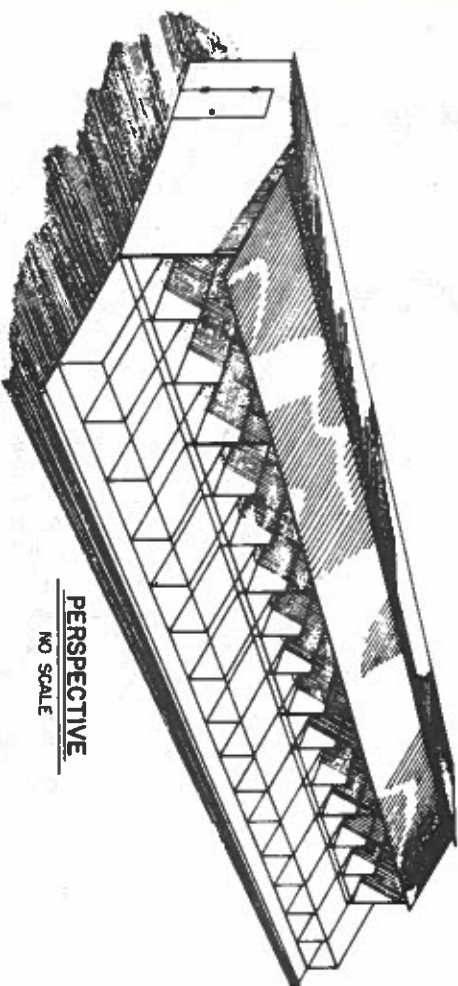
1. WIRE RUN PARTITIONS ARE 9'-6" LONG WHERE CONNECTED TO FRONT POLES (6 REQUIRED IN 15'-PEN UNIT).
2. USE FRAMING ANCHORS, PLUMBERS STRAP, OR OTHER MEANS TO SECURE RAFTERS AGAINST WIND UPLIFT.
3. UTILITY ROOM SHOULD BE INSULATED AND HEATED. TYPE OF INSULATION AND LINING MATERIALS ARE LEFT TO BUILDER'S DISCRETION



SECTION A-A  
SCALE: 3/8"=1'-0"  
12"=0'-0"



PLAN  
SCALE: 1/8"=1'-0"  
12"=0'-0"



PERSPECTIVE  
NO SCALE

NOTE:  
CONSULT LOCAL HEALTH AND BUILDING  
CODE AUTHORITIES BEFORE STARTING  
CONSTRUCTION.

TEXAS AGRICULTURAL EXTENSION SERVICE

THE TEXAS A&M UNIVERSITY SYSTEM

U. S. DEPARTMENT OF AGRICULTURE COOPERATING

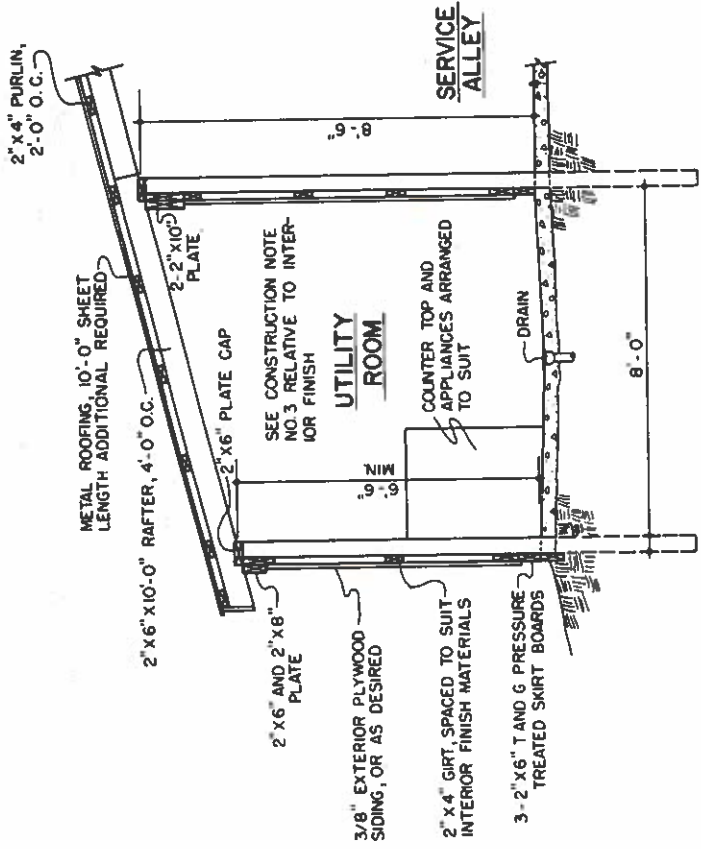
DANIEL C. PRANNSTIEL, DIRECTOR, COLLEGE STATION, TEXAS

COLD CALF HOUSING  
INDIVIDUAL CONFINEMENT

DRAWN BY: SCALE: AS NOTED

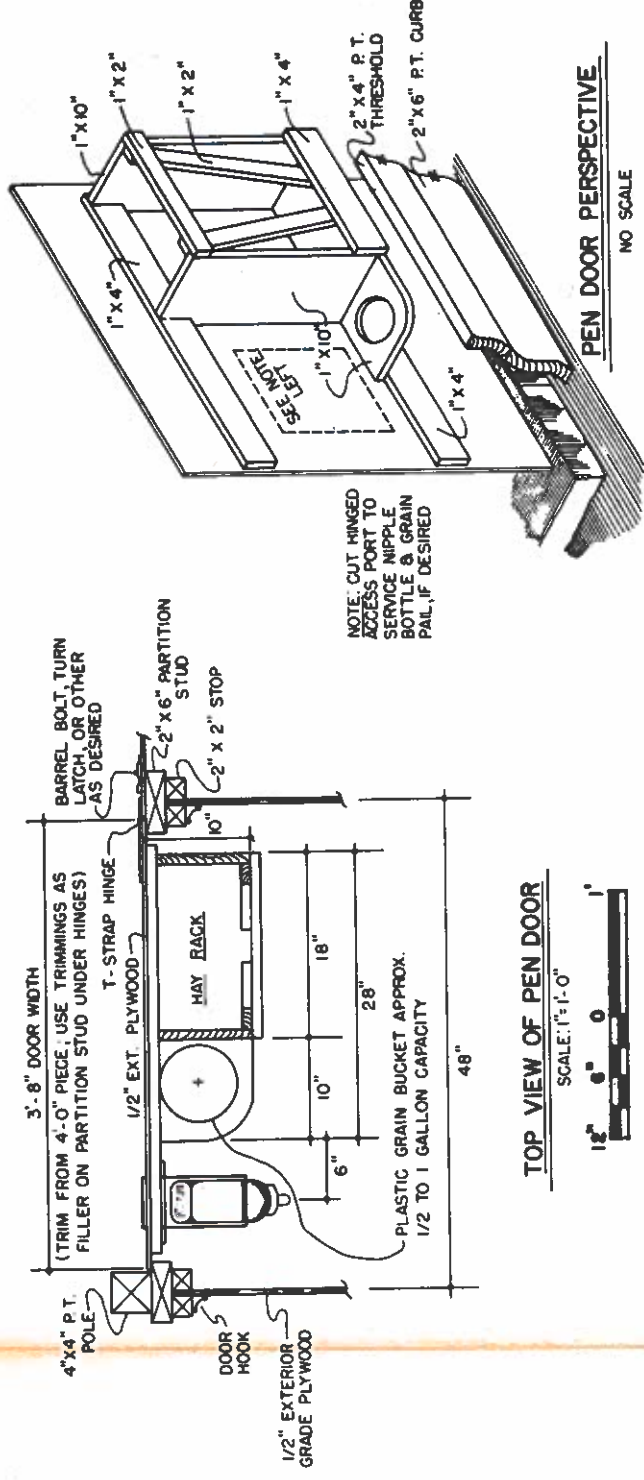
TRACED BY: SHEET 1 OF 2

8-77 SERIAL NO. 6271



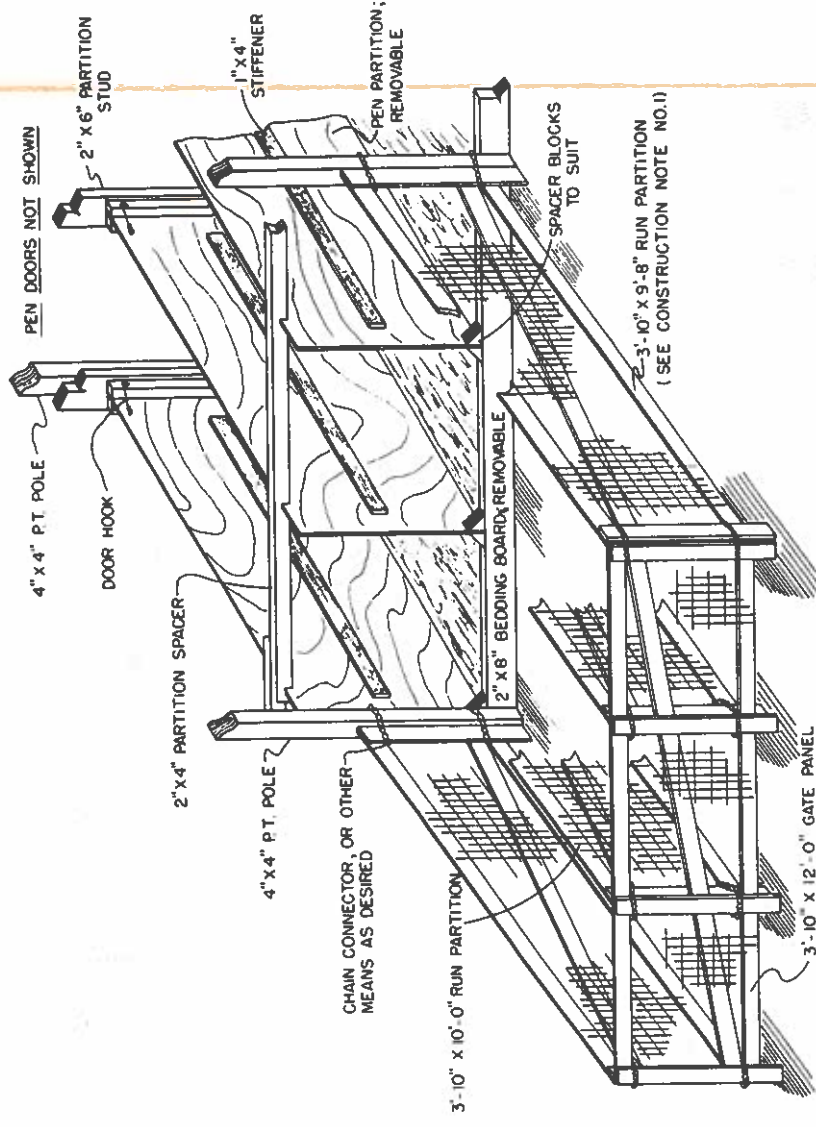
SECTION B-B

SCALE: 3/8"=1'-0"



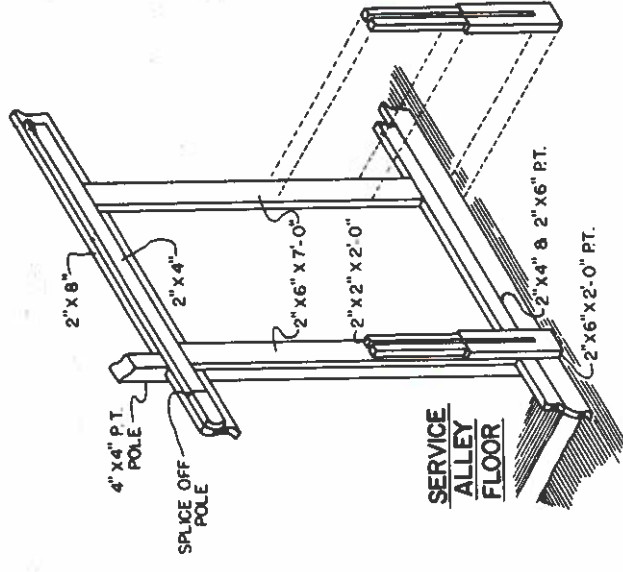
TOP VIEW OF PEN DOOR

SCALE: 1/2"=1'-0"



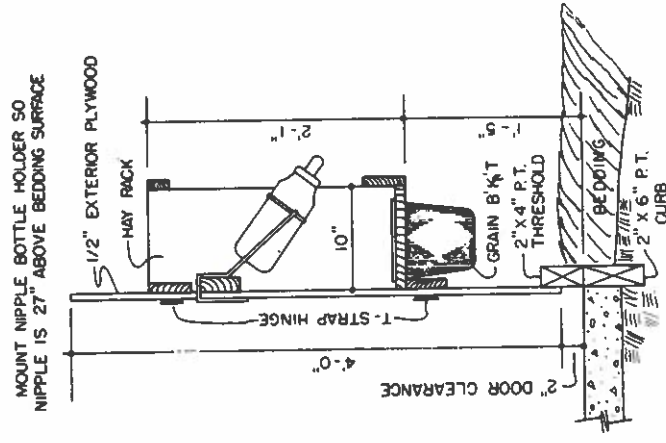
PARTITION PERSPECTIVE

NO SCALE



FRAMING PERSPECTIVE

NO SCALE



PEN DOOR SECTION

SCALE: 1/2"=1'-0"



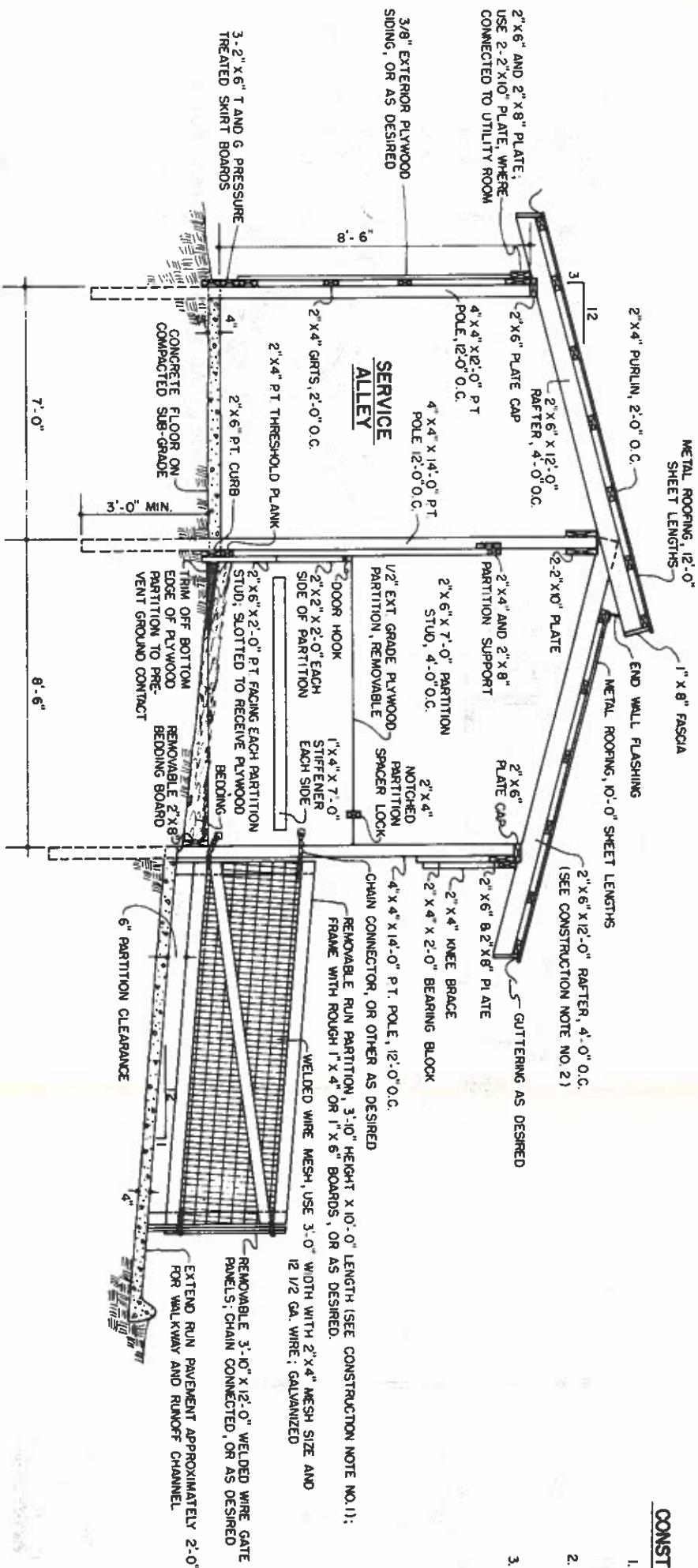
TEXAS AGRICULTURAL EXTENSION SERVICE  
THE TEXAS A&M UNIVERSITY SYSTEM  
AND  
U. S. DEPARTMENT OF AGRICULTURE COOPERATING  
DANIEL C. PFANNSTIEL, DIRECTOR, COLLEGE STATION, TEXAS

COLD CALF HOUSING  
INDIVIDUAL CONFINEMENT

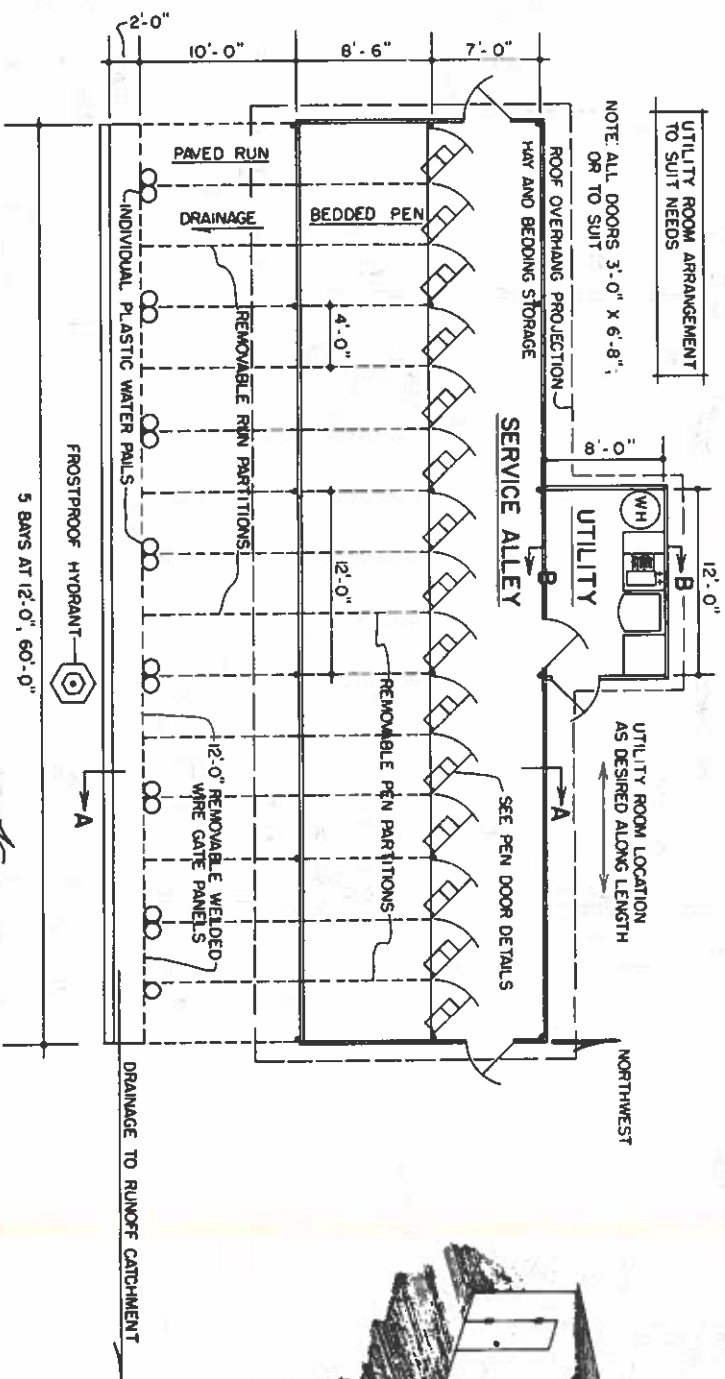
|            |                 |
|------------|-----------------|
| DRAWN BY:  | SCALE: AS NOTED |
| TRACED BY: | SHEET 2 OF 2    |
| SERIAL NO. | 6271            |

CONSTRUCTION NOTES

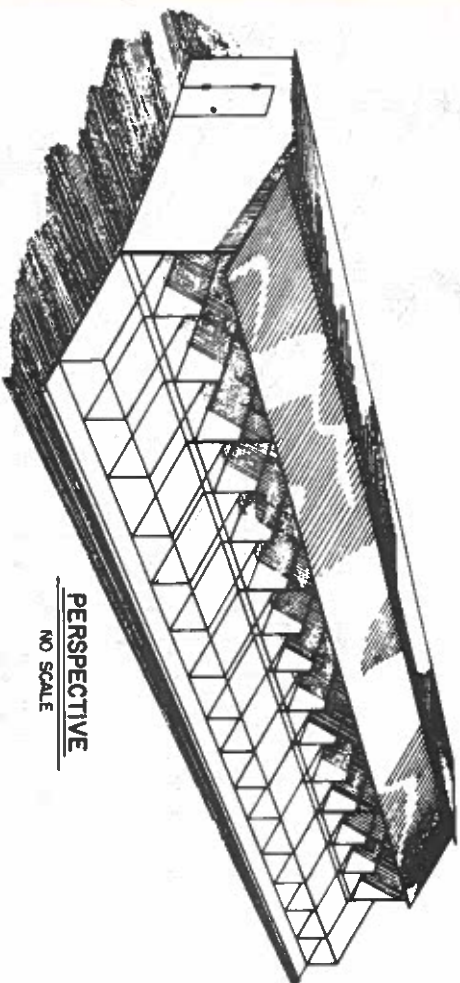
1. WIRE RUN PARTITIONS ARE 9'-6" LONG WHERE CONNECTED TO FRONT POLES (6 REQUIRED IN 15'-PEN UNIT).
2. USE FRAMING ANCHORS, PLUMBERS STRAP, OR OTHER MEANS TO SECURE RAFTERS AGAINST WIND UPLIFT.
3. UTILITY ROOM SHOULD BE INSULATED AND HEATED. TYPE OF INSULATION AND LINING MATERIALS ARE LEFT TO BUILDER'S DISCRETION



SECTION A-A  
SCALE: 3/8"=1'-0"  
12' 6' 0'



PLAN  
SCALE: 1/8"=1'-0"  
0' 2' 4' 6' 8' 10' 12' 1' 3' 5' 7'



PERSPECTIVE  
NO SCALE

NOTE:  
CONSULT LOCAL HEALTH AND BUILDING  
CODE AUTHORITIES BEFORE STARTING  
CONSTRUCTION.

TEXAS AGRICULTURAL EXTENSION SERVICE

THE TEXAS A&M UNIVERSITY SYSTEM

U. S. DEPARTMENT OF AGRICULTURE COOPERATING

DANIEL C. PRANNSTIEL, DIRECTOR, COLLEGE STATION, TEXAS

COLD CALF HOUSING  
INDIVIDUAL CONFINEMENT

DRAWN BY: SCALE AS NOTED

TRACED BY: SHEET 1 OF 2

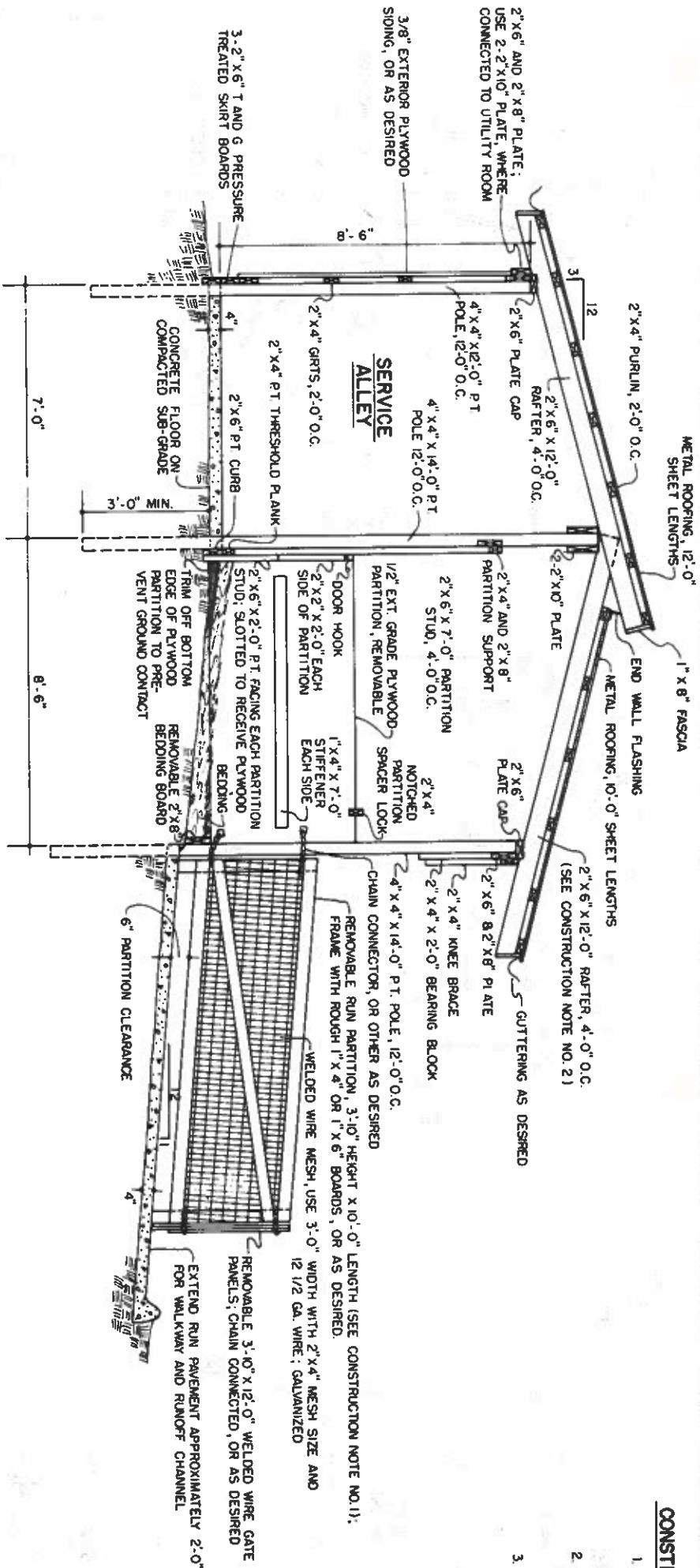
8-77

SERIAL NO 6271



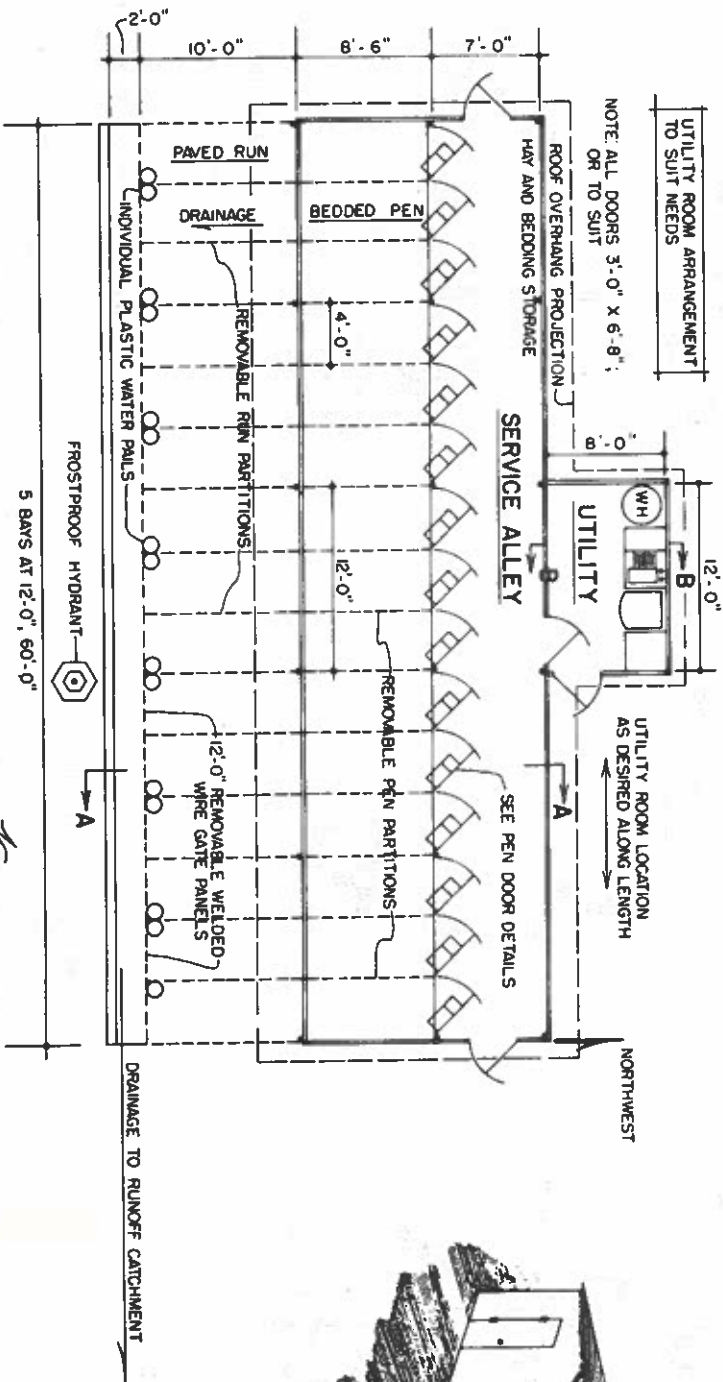
CONSTRUCTION NOTES

1. WIRE RUN PARTITIONS ARE 9'-8" LONG WHERE CONNECTED TO FRONT POLES (6 REQUIRED IN 15'-PEN UNIT).
2. USE FRAMING ANCHORS, PLUMBERS STRAP, OR OTHER MEANS TO SECURE RAFTERS AGAINST WIND UPLIFT.
3. UTILITY ROOM SHOULD BE INSULATED AND HEATED, TYPE OF INSULATION AND LINING MATERIALS ARE LEFT TO BUILDERS DISCRETION



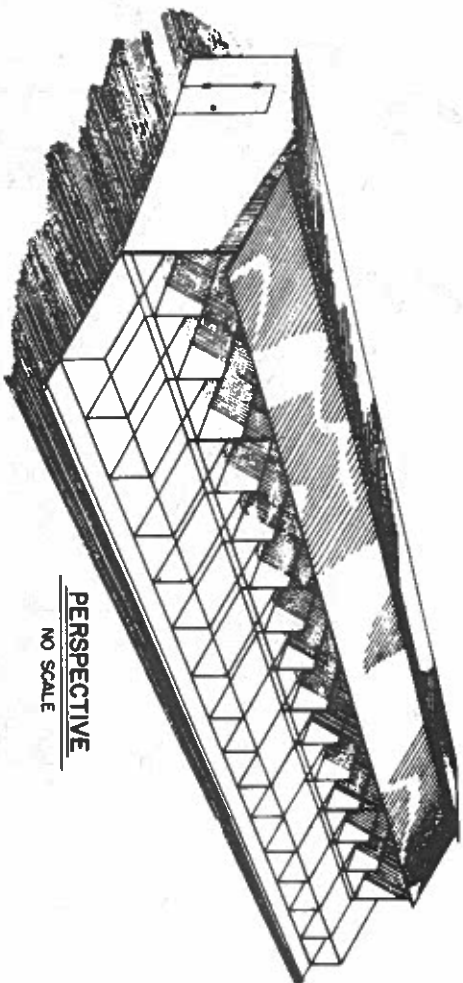
SECTION A-A

SCALE: 3/8"=1'-0"  
1 1/2"=6'-0"



PLAN

SCALE: 1/8"=1'-0"  
0 2' 4' 6' 8' 12' 1 3 5 7



PERSPECTIVE

NO SCALE

NOTE:

CONSULT LOCAL HEALTH AND BUILDING CODE AUTHORITIES BEFORE STARTING CONSTRUCTION.

TEXAS AGRICULTURAL EXTENSION SERVICE

THE TEXAS A&M UNIVERSITY SYSTEM

AND

U. S. DEPARTMENT OF AGRICULTURE COOPERATING

DANIEL C. PRANNSTIEL, DIRECTOR, COLLEGE STATION, TEXAS

COLD CALF HOUSING  
INDIVIDUAL CONFINEMENT

DRAWN BY:

SCALE: AS NOTED

TRACED BY:

SHEET 1 OF 2

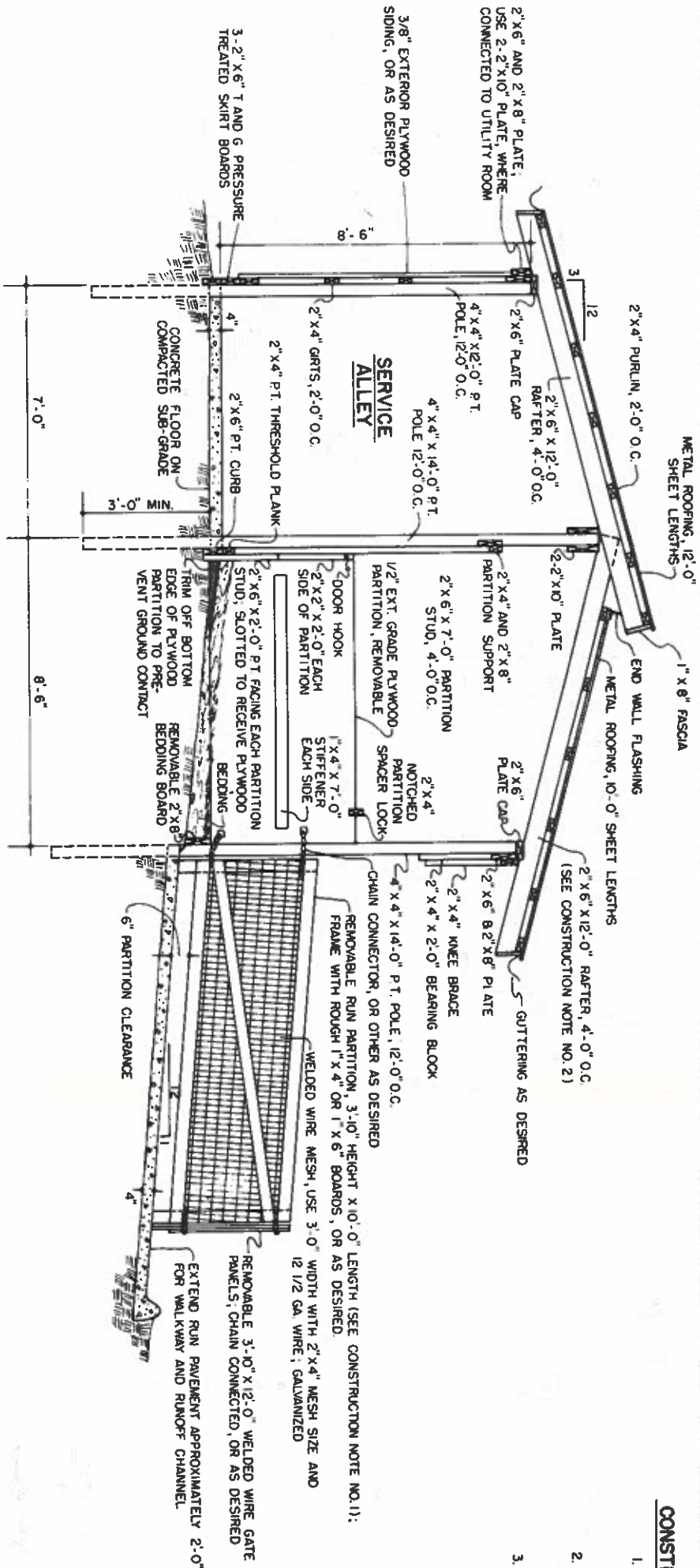
8-77

SERIAL NO. 6271



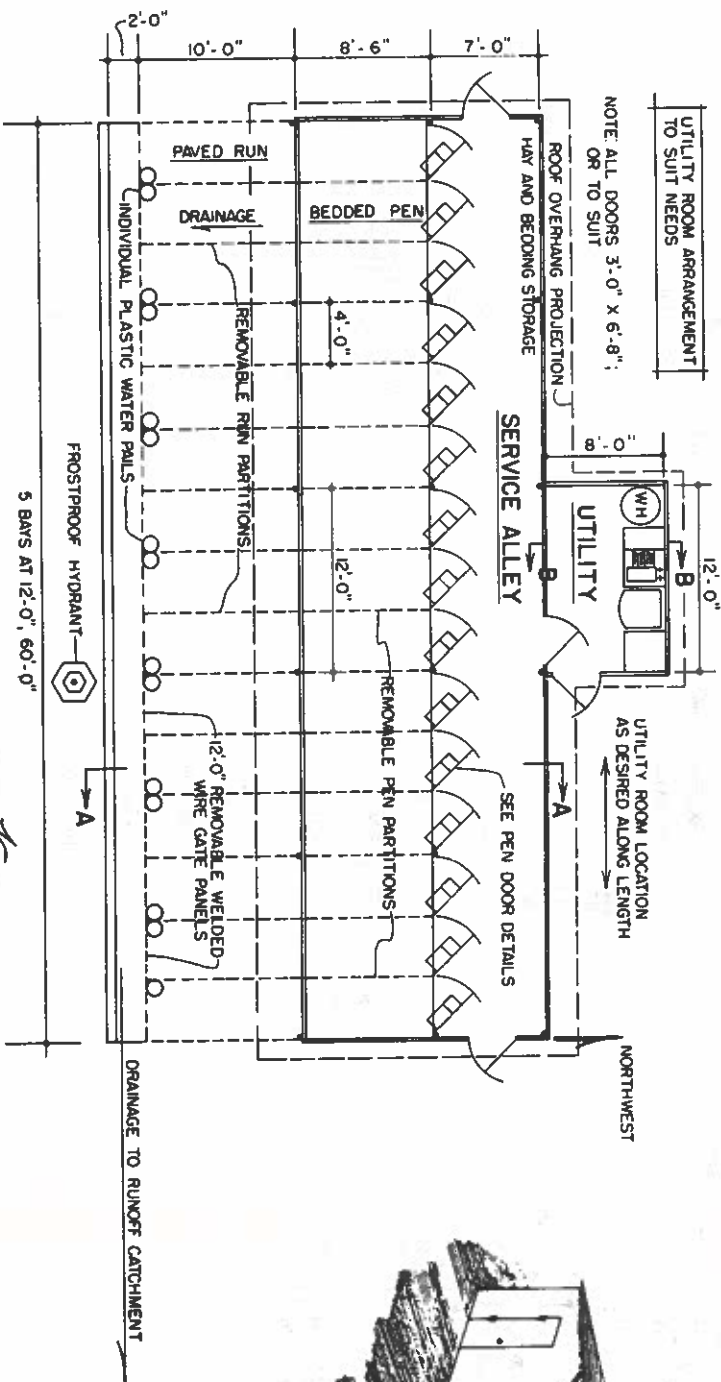
CONSTRUCTION NOTES

1. WIRE RUN PARTITIONS ARE 9'-8" LONG WHERE CONNECTED TO FRONT POLES (6 REQUIRED IN 15'-PEN UNIT).
2. USE FRAMING ANCHORS, PLUMBERS STRAP, OR OTHER MEANS TO SECURE RAFTERS AGAINST WIND UPLIFT.
3. UTILITY ROOM SHOULD BE INSULATED AND HEATED; TYPE OF INSULATION AND LINING MATERIALS ARE LEFT TO BUILDERS DISCRETION



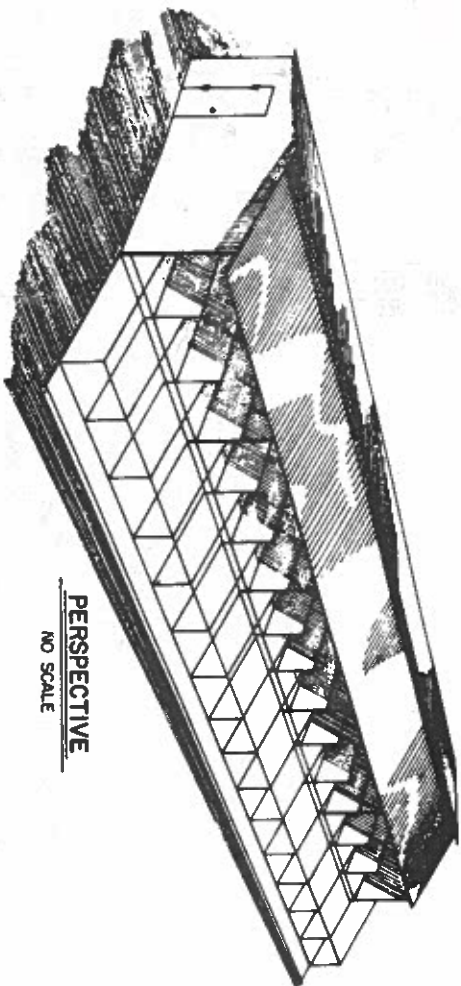
SECTION A-A

SCALE: 3/8"=1'-0"  
12' 6" 0



PLAN

SCALE: 1/8"=1'-0"  
0 2' 4' 6' 8'  
12' 1' 3' 5' 7'



PERSPECTIVE

NO SCALE

NOTE:

CONSULT LOCAL HEALTH AND BUILDING CODE AUTHORITIES BEFORE STARTING CONSTRUCTION.

TEXAS AGRICULTURAL EXTENSION SERVICE

THE TEXAS A&M UNIVERSITY SYSTEM

U. S. DEPARTMENT OF AGRICULTURE COOPERATING

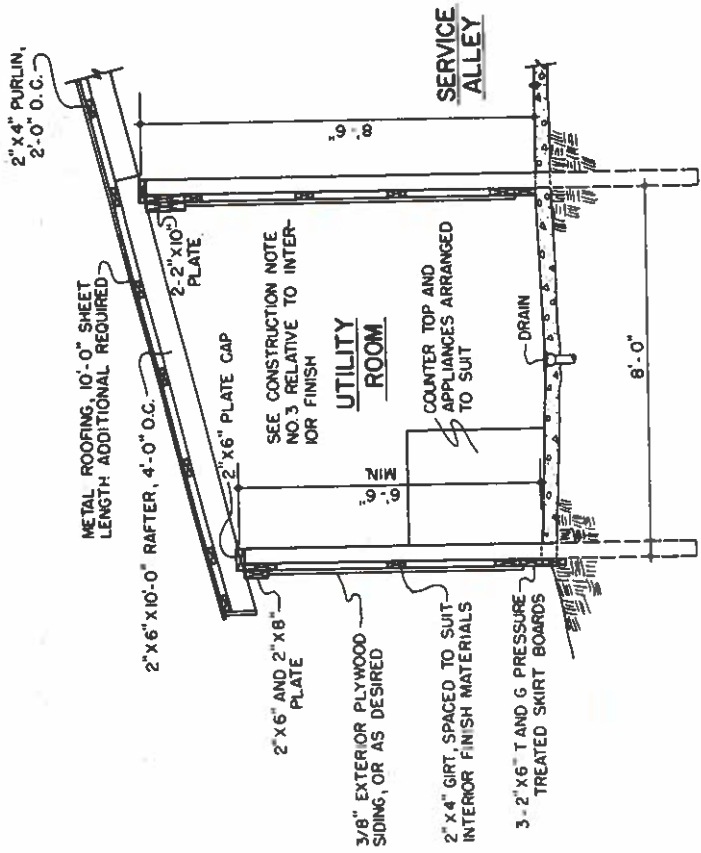
DANIEL C. FRANKSTIEL, DIRECTOR, COLLEGE STATION, TEXAS

COLD CALF HOUSING  
INDIVIDUAL CONFINEMENT

DRAWN BY: SCALE: AS NOTED

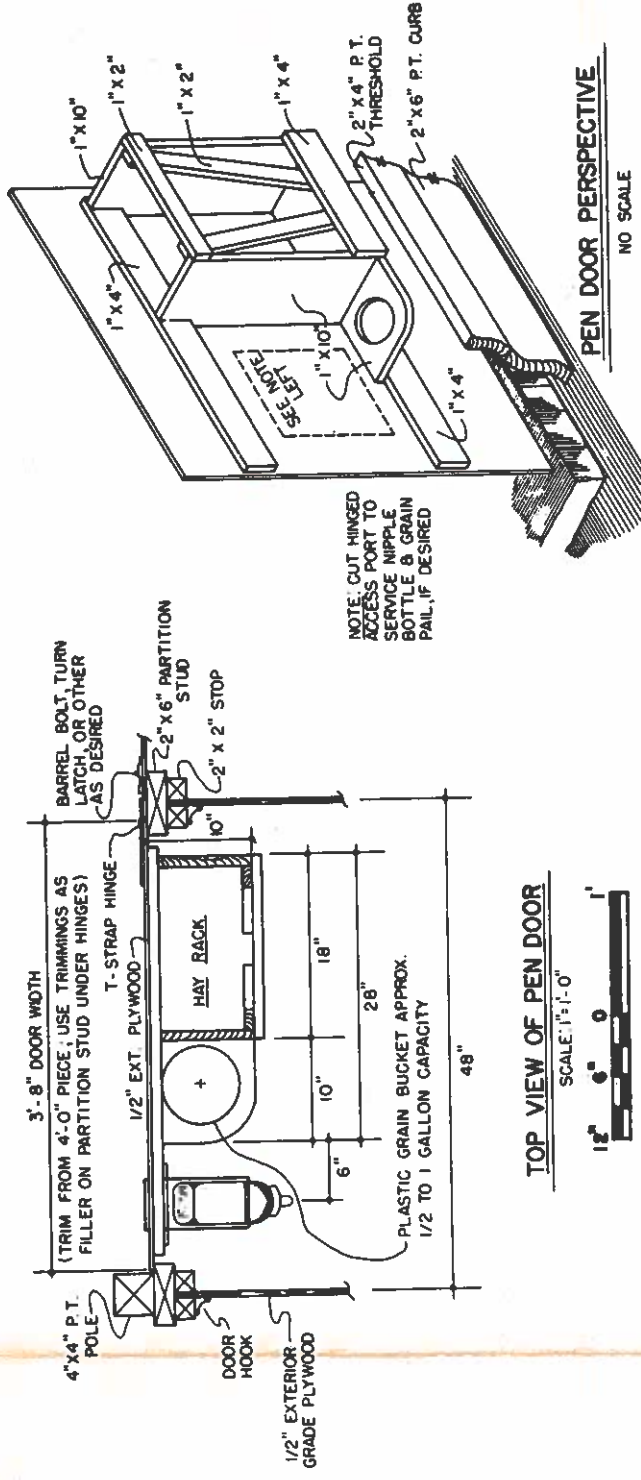
TRACED BY: SHEET 1 OF 2

8-77 SERIAL NO. 6271



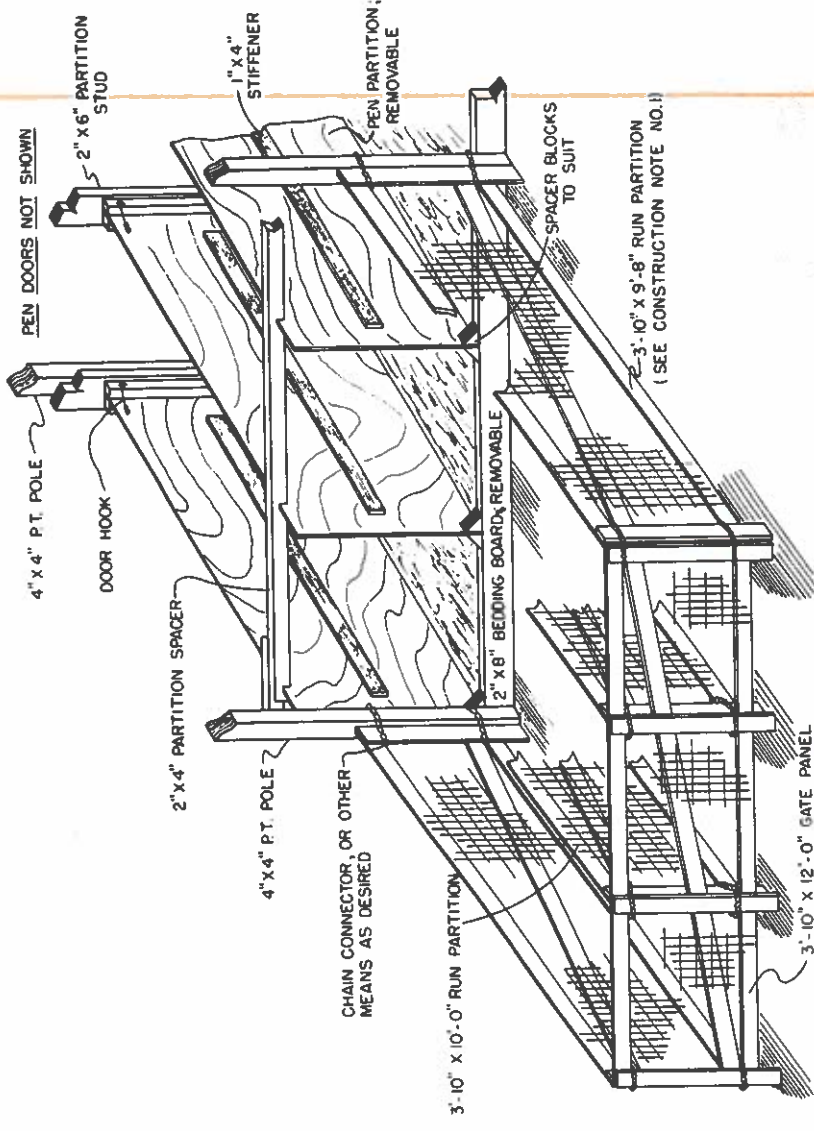
SECTION B-B

SCALE: 3/8" = 1'-0"



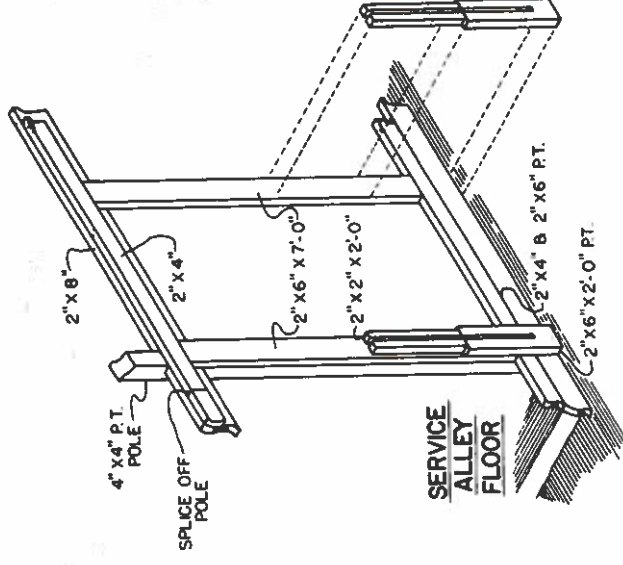
TOP VIEW OF PEN DOOR

SCALE: 1" = 1'-0"



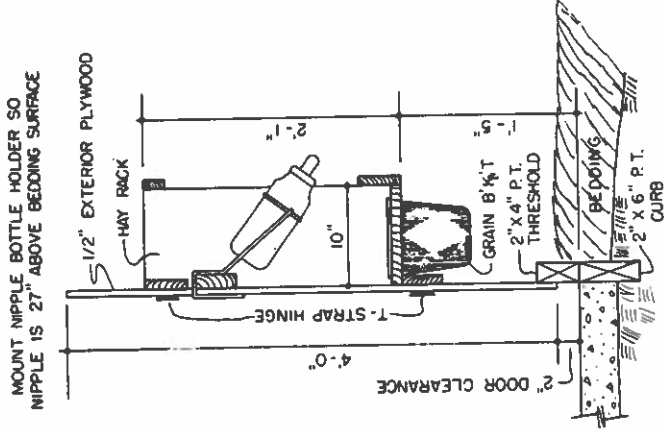
PARTITION PERSPECTIVE

NO SCALE



FRAMING PERSPECTIVE

NO SCALE



PEN DOOR SECTION

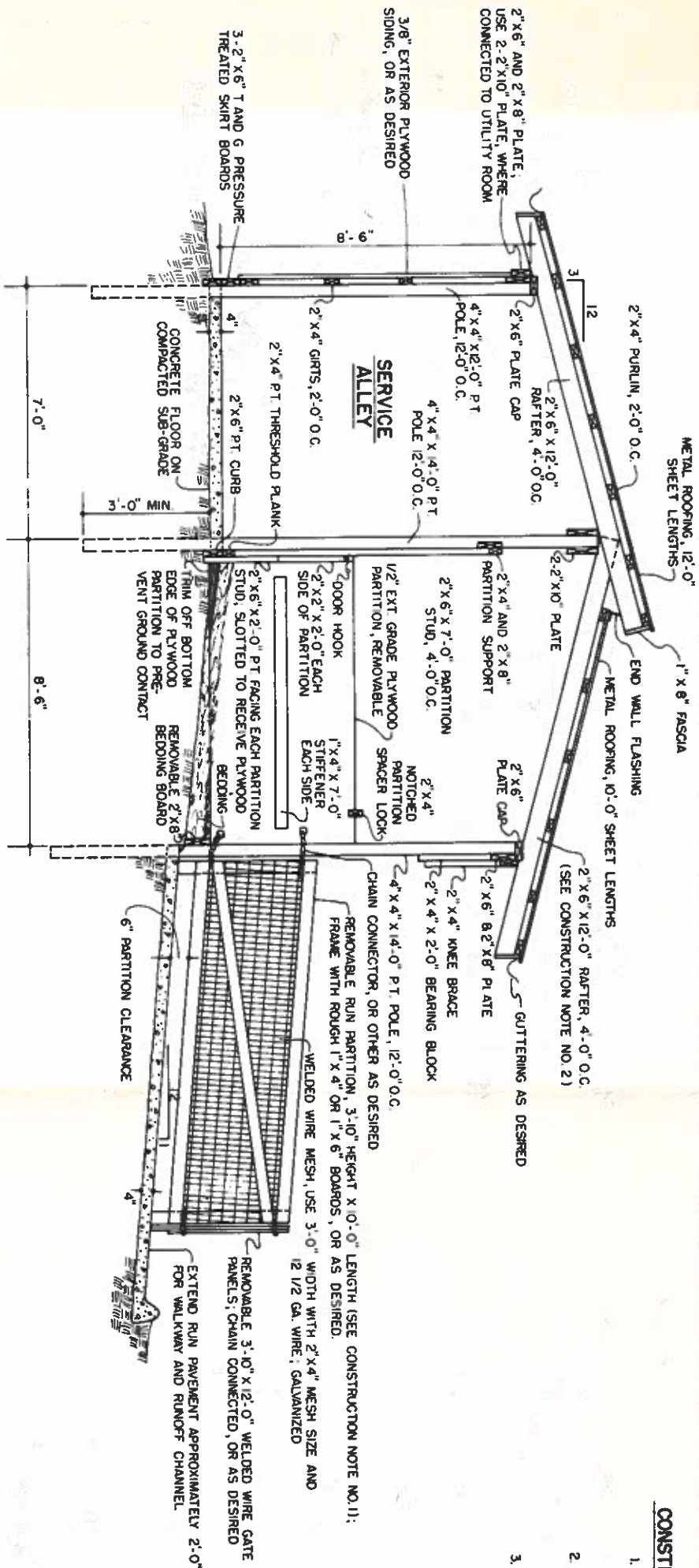
SCALE: 1" = 1'-0"



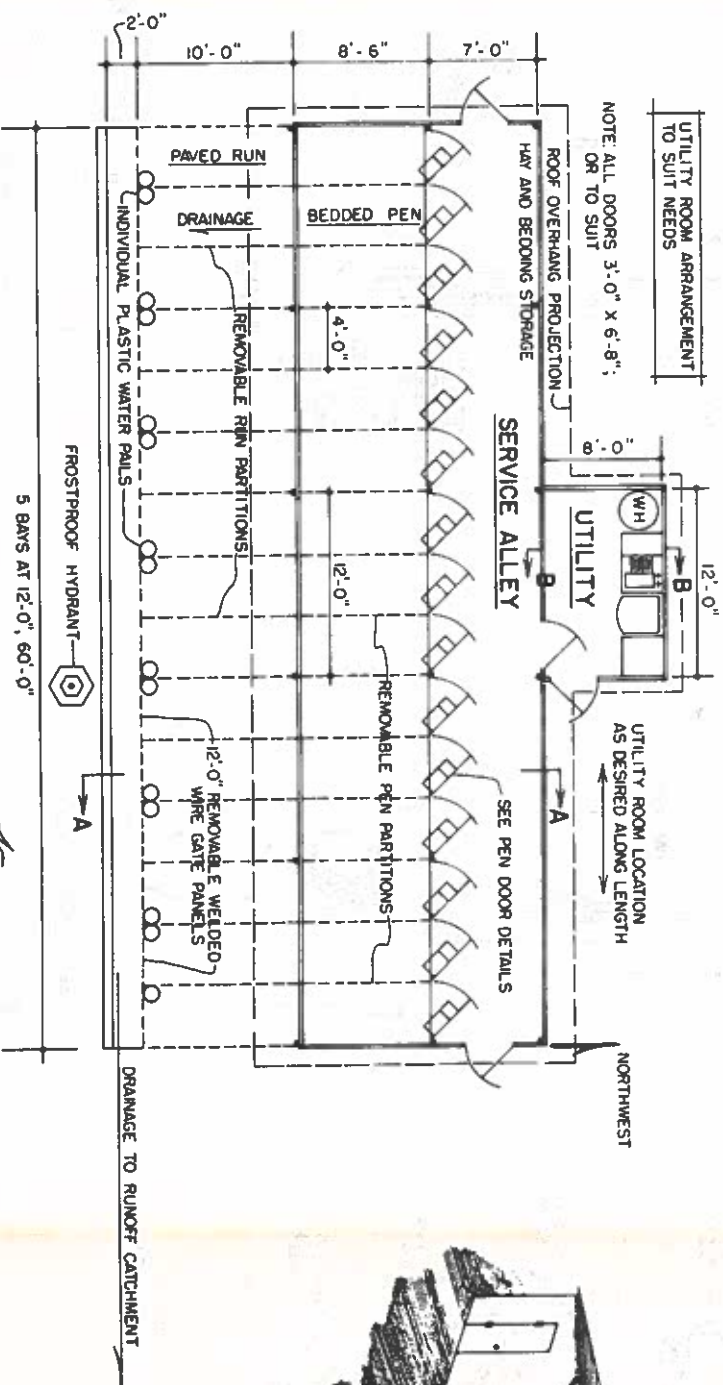
|                                                       |                 |                 |  |
|-------------------------------------------------------|-----------------|-----------------|--|
| TEXAS AGRICULTURAL EXTENSION SERVICE                  |                 |                 |  |
| THE TEXAS A&M UNIVERSITY SYSTEM                       |                 |                 |  |
| AND                                                   |                 |                 |  |
| U. S. DEPARTMENT OF AGRICULTURE COOPERATING           |                 |                 |  |
| DANIEL C. PFANNSTEL, DIRECTOR, COLLEGE STATION, TEXAS |                 |                 |  |
| COLD CALF HOUSING                                     |                 |                 |  |
| INDIVIDUAL CONFINEMENT                                |                 |                 |  |
| DRAWN BY:                                             | SCALE: AS NOTED |                 |  |
| TRACED BY:                                            | SHEET 2 OF 2    |                 |  |
| 8-77                                                  |                 | SERIAL NO. 6271 |  |

CONSTRUCTION NOTES

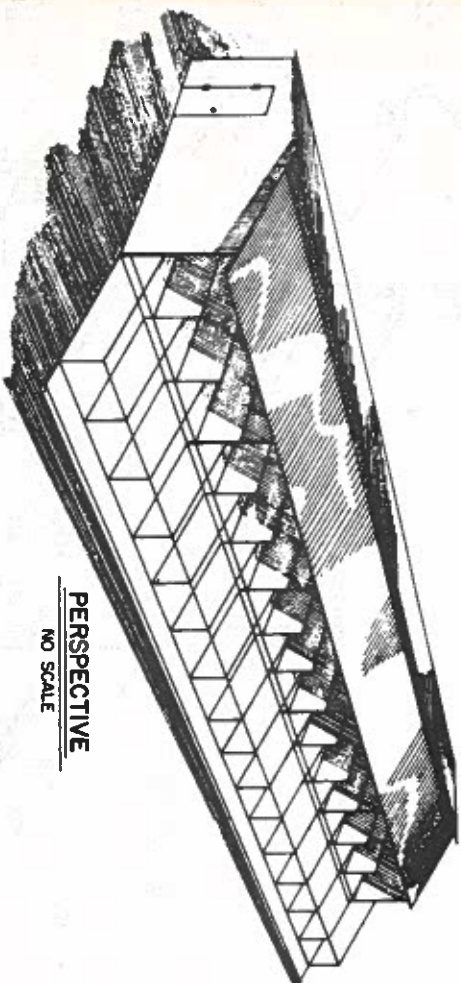
1. WIRE RUN PARTITIONS ARE 9'-6" LONG WHERE CONNECTED TO FRONT POLES (6 REQUIRED IN 15'-PEN UNIT).
2. USE FRAMING ANCHORS, PLUMBERS STRAP, OR OTHER MEANS TO SECURE RAFTERS AGAINST WIND UPLIFT.
3. UTILITY ROOM SHOULD BE INSULATED AND HEATED; TYPE OF INSULATION AND LINING MATERIALS ARE LEFT TO BUILDER'S DISCRETION



SECTION A-A  
SCALE: 3/8\"/>



PLAN  
SCALE: 1/8\"/>



PERSPECTIVE  
NO SCALE

NOTE:  
CONSULT LOCAL HEALTH AND BUILDING  
CODE AUTHORITIES BEFORE STARTING  
CONSTRUCTION.

TEXAS AGRICULTURAL EXTENSION SERVICE  
THE TEXAS A&M UNIVERSITY SYSTEM  
AND  
U. S. DEPARTMENT OF AGRICULTURE COOPERATING  
DANIEL C. PRANNSTIEL, DIRECTOR, COLLEGE STATION, TEXAS

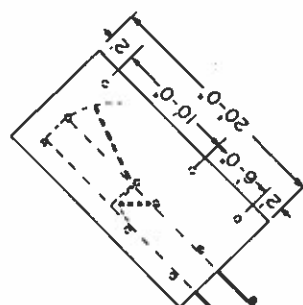
COLD CALF HOUSING  
INDIVIDUAL CONFINEMENT

|            |                 |
|------------|-----------------|
| DRAWN BY:  | SCALE: AS NOTED |
| TRACED BY: | SHEET 1 OF 2    |
| 8-77       | SERIAL NO. 6271 |



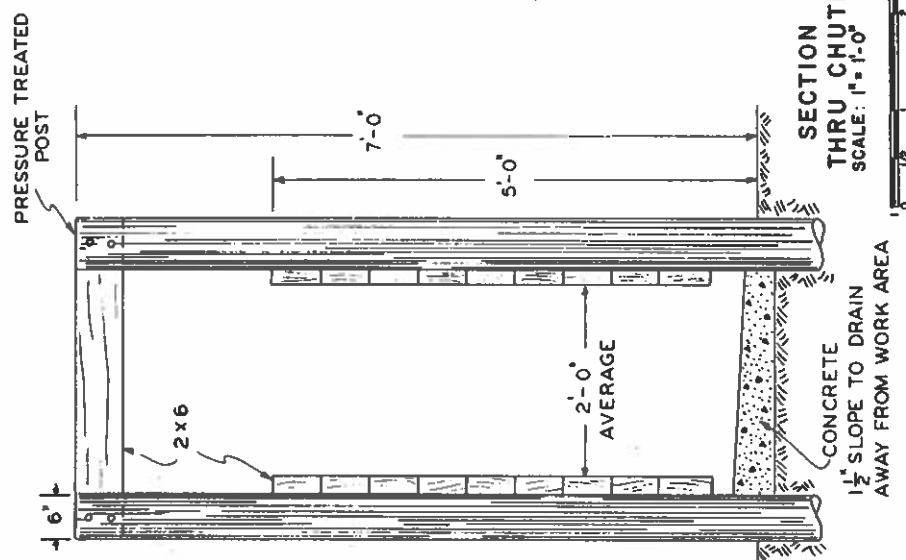






**CORRAL LAYOUT**  
**SCALE: 1/8" = 1'-0"**

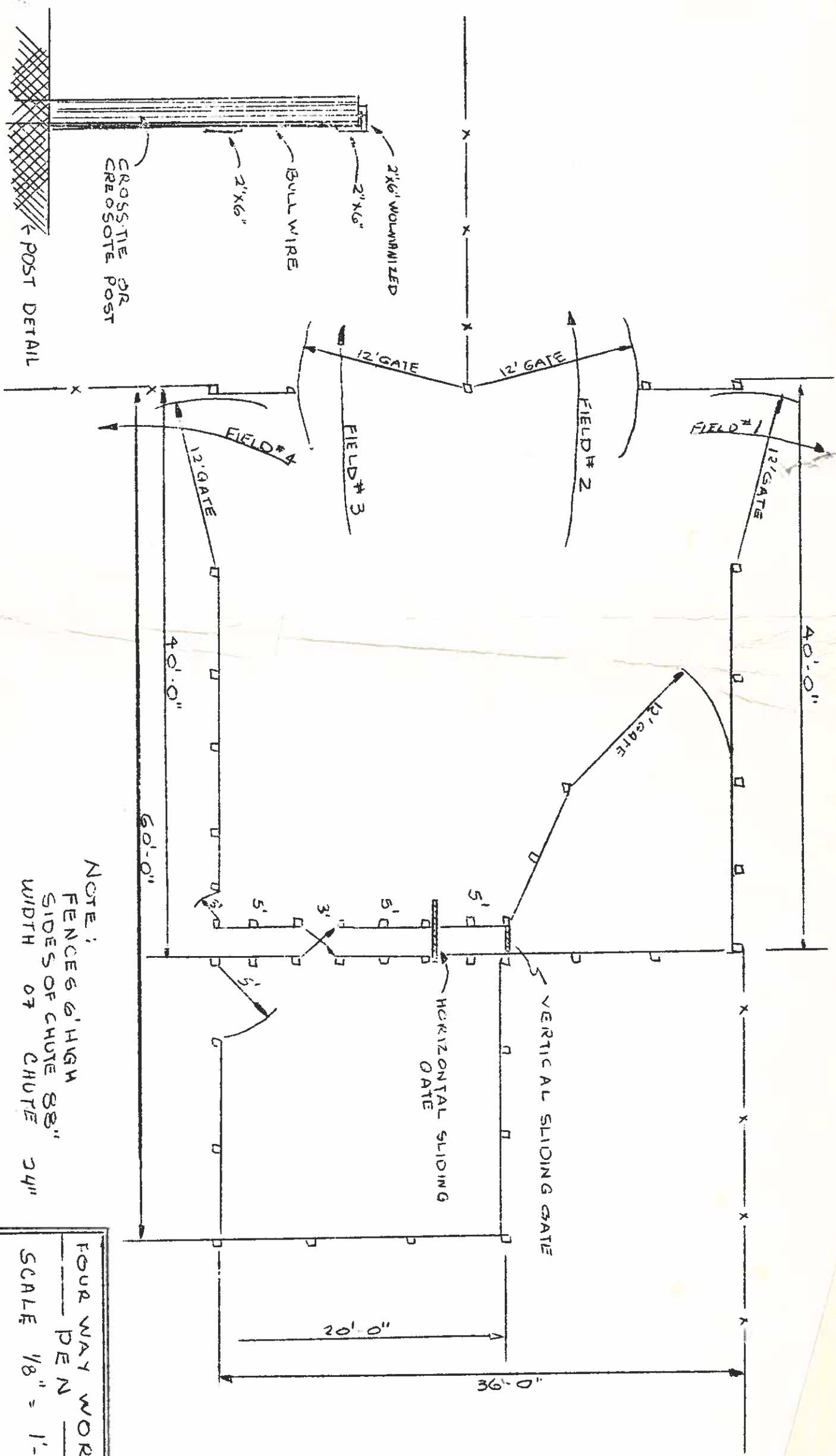
BASED ON : OREGON STATE UNIV.  
PLAN NO. BP 105



SECTION  
THRU CHUTE  
SCALE: 1" = 1'-0"

1½" SLOPE TO DRAIN  
AWAY FROM WORK AREA

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 DANIEL C. PHARMISTEL, DIRECTOR, COLLEGE STATION, TEXAS

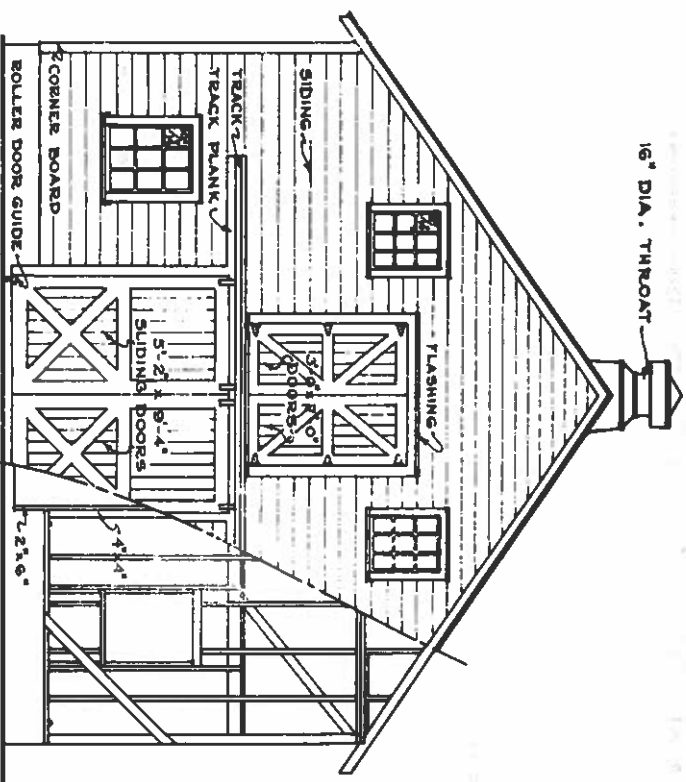


NOTE:  
FENCES 6' HIGH  
SIDES OF CHUTE 88"  
WIDTH OF CHUTE 24"

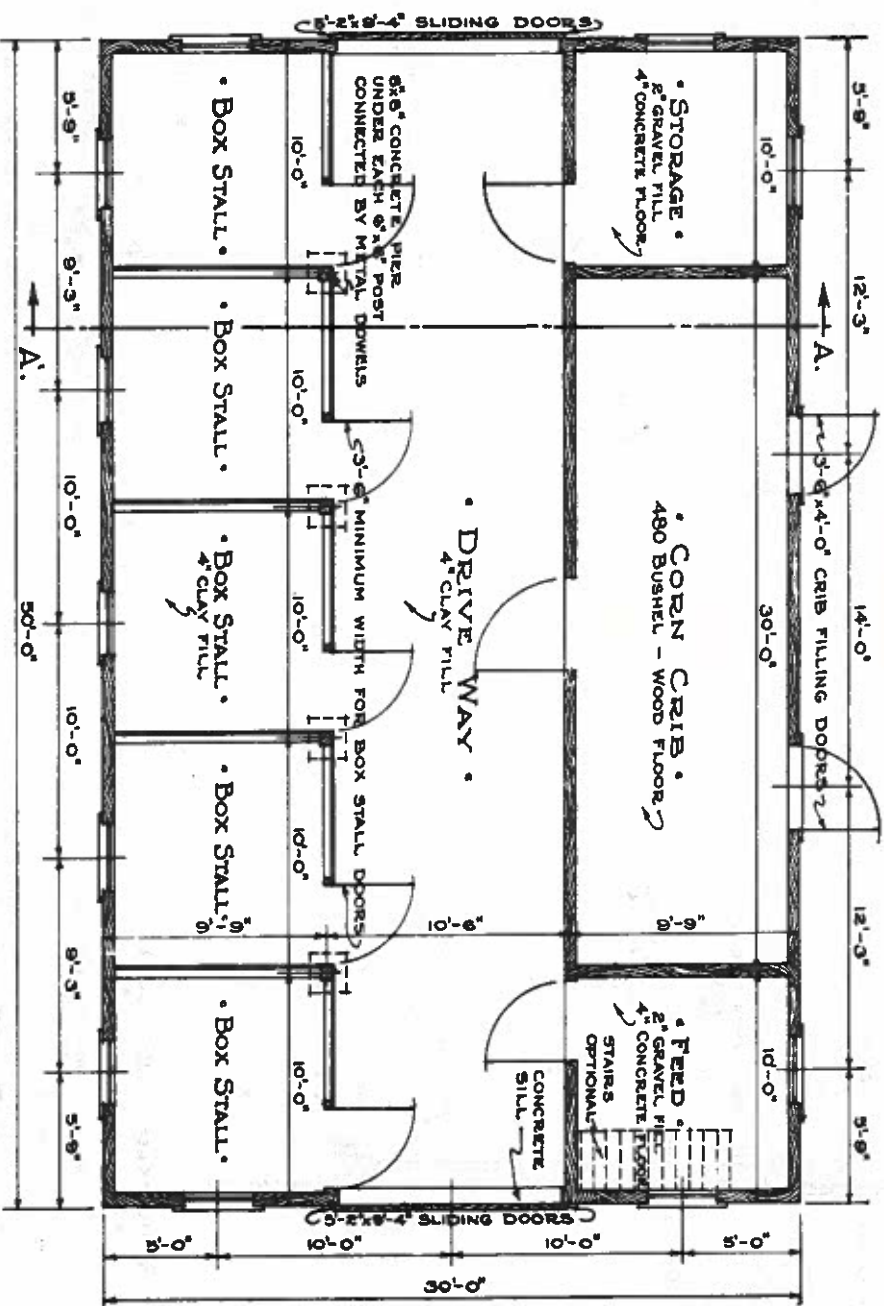
FOUR WAY WORKING  
PEN  
SCALE 1/8" = 1'-0"

Please Leave this copy

5549



• END ELEVATION & PARTIAL FRAMING •  
SCALE  $\frac{3}{16}" = 1'-0"$



• FLOOR PLAN •  
SCALE  $\frac{3}{16}" = 1'-0"$

NOTE  
FOR LARGE HORSES SIZE OF BOX STALLS SHOULD BE INCREASED.  
AT HORSE STALLS, EXTERIOR WALLS TO BE LINED ON INSIDE WITH  
2" PLANK 5 FEET HIGH.

TEXAS AGRICULTURAL EXTENSION SERVICE  
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U. S. DEPARTMENT OF AGRICULTURE COOPERATING  
DANIEL C. PRANNSTIEL, DIRECTOR, COLLEGE STATION, TEXAS

GENERAL BARN

DRAWN BY: USDA  
TRACED BY: AES  
JULY, 1977

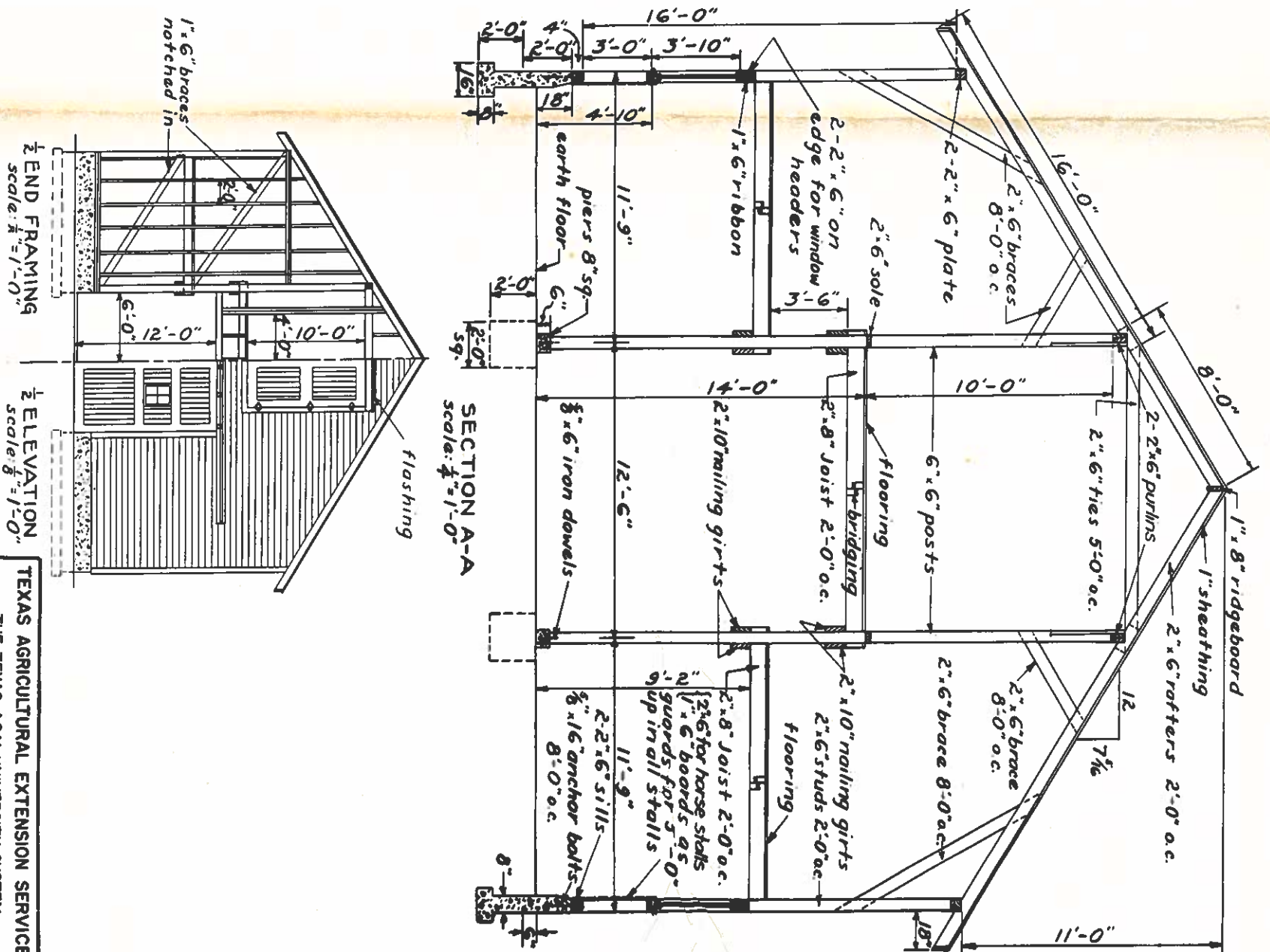
SCALE: AS SHOWN  
SHEET 1 OF 2  
SERIAL NO 5549





concrete: 1:2½:4 mix 17 cu. yds.  
cement: 94 bags  
sand: 9.8 cu. yds.  
stone: 14.3 cu. yds.  
plates: 12 pcs. 2" x 6" x 14'-0"  
12 " 2" x 6" x 12'-0"  
ribbon: 6 " 1" x 6" x 14'-0"  
studs: 93 " 2" x 6" x 16'-0"  
sills: 20 " 2" x 6" x 14'-0"  
braces: 15 " 2" x 6" x 10'-0"  
8 " 1" x 6" x 14'-0"  
8 " 1" x 6" x 12'-0"  
purlins: 16 " 2" x 6" x 10'-0"  
Joist: 42 " 2" x 8" x 12'-0"  
21 " 2" x 8" x 14'-0"  
rafters: 63 " 2" x 6" x 16'-0"  
bridging: 25 " 1" x 3" x 12'-0"  
nailing girts: 16 " 2" x 10" x 10'-0"  
16 " 2" x 10" x 12'-0"  
posts: 10 " 6" x 6" x 14'-0"  
10 " 6" x 6" x 10'-0"  
ridgeboard: 3 " 1" x 8" x 16'-0"  
uprights: 8 " 2" x 4" x 10'-0"  
window sills: 3 " 2" x 8" x 12'-0"  
soles: 6 " 2" x 6" x 14'-0"  
window headers: 4 pcs 2" x 6" x 16'-0"  
ties: 6 " 2" x 6" x 16'-0"  
partitions: 54 " 2" x 6" x 12'-0"  
guards: 94 " 1" x 6" x 10'-0"  
trim boards: 8 " 1" x 4" x 16'-0"  
14 " 1" x 4" x 12'-0"  
12 " 1" x 6" x 16'-0"  
windows: 8-9 lts. 10" x 12" glass  
4-4 " " " (doors)  
doors: 4-6'-2" x 12'-2" sliding  
2-4'-0" x 10'-0" swinging  
flooring: 1700 sq. ft. T. & G.  
sheathing: 2300 sq. ft.  
roofing: 20 squares  
siding: 2800 sq. ft.  
anchor bolts: 18 - ½" x 16"  
iron dowels: 6 - ¾" x 6"  
also nails, paint, flashing, hinges, etc.  
Note: material for interior doors  
and mangers not figured.

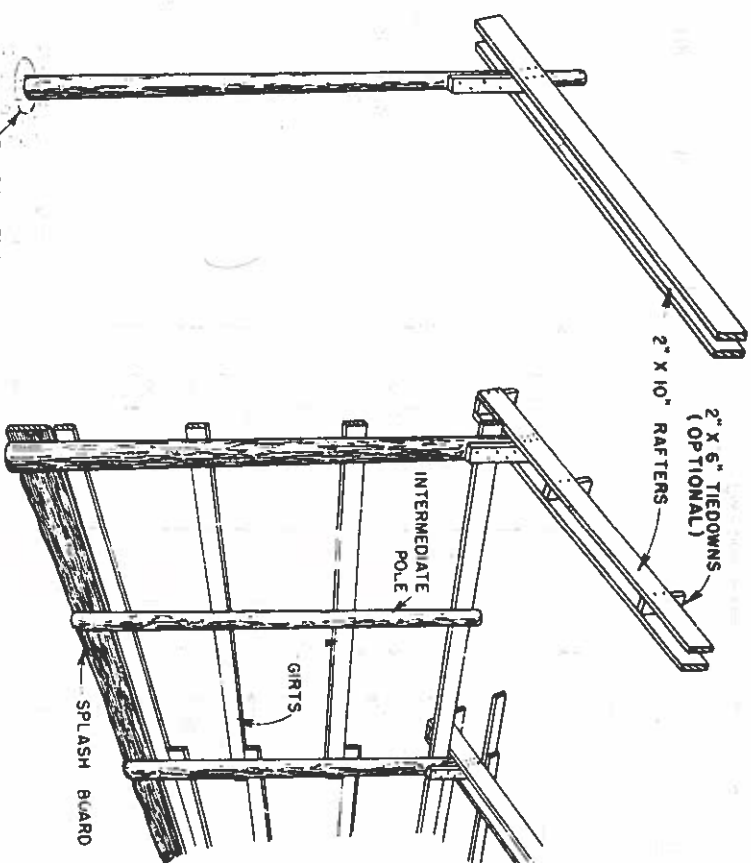
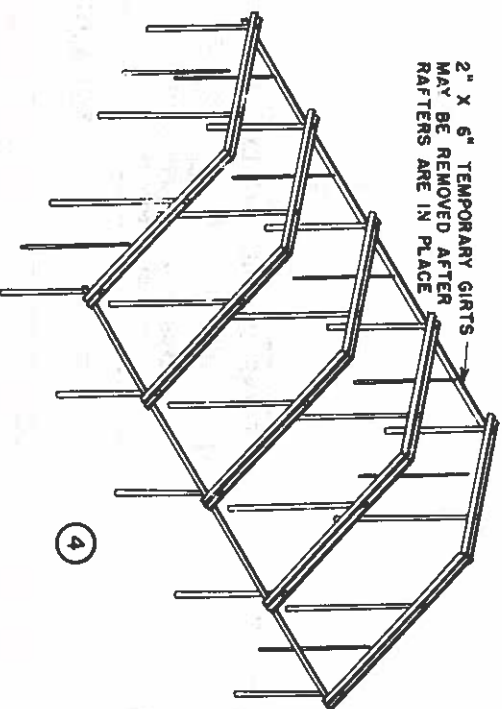
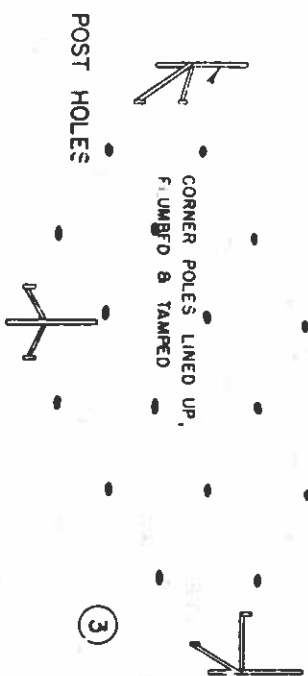
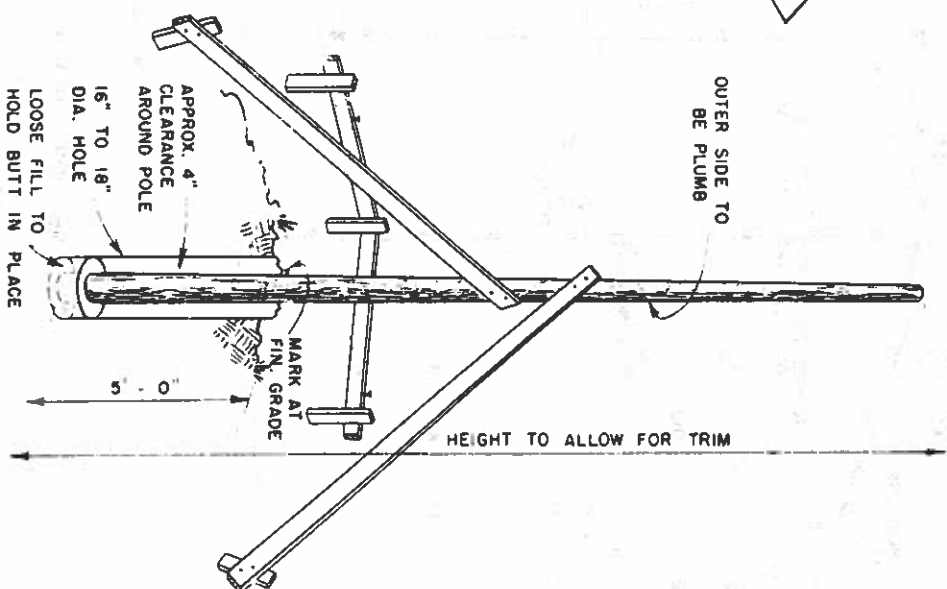
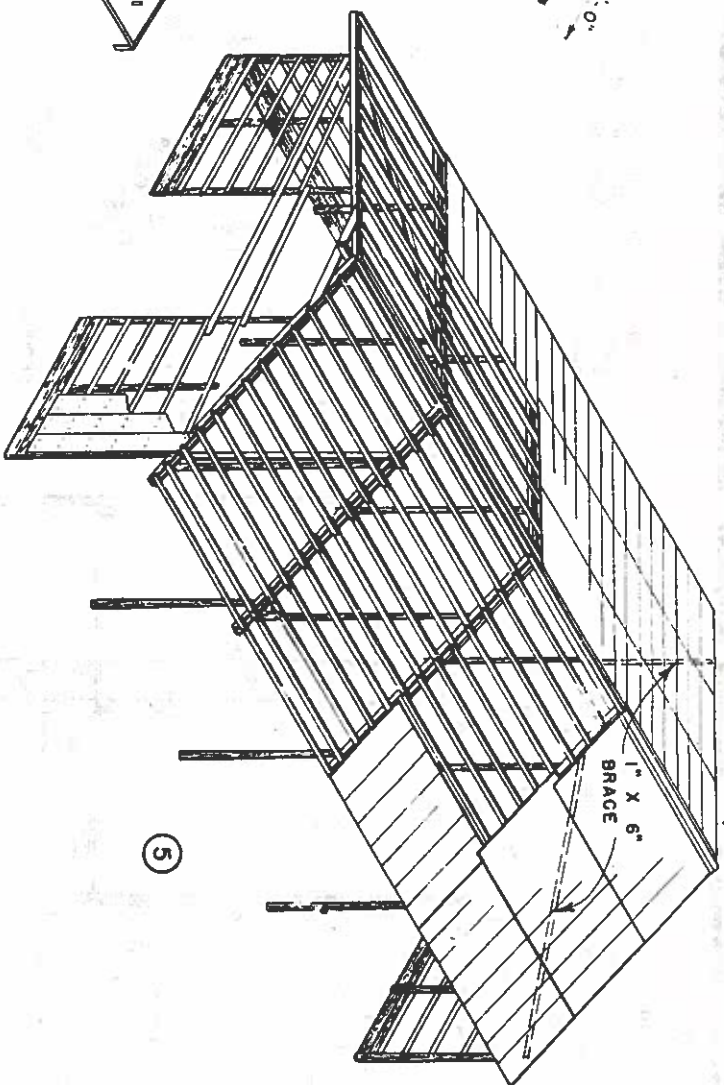
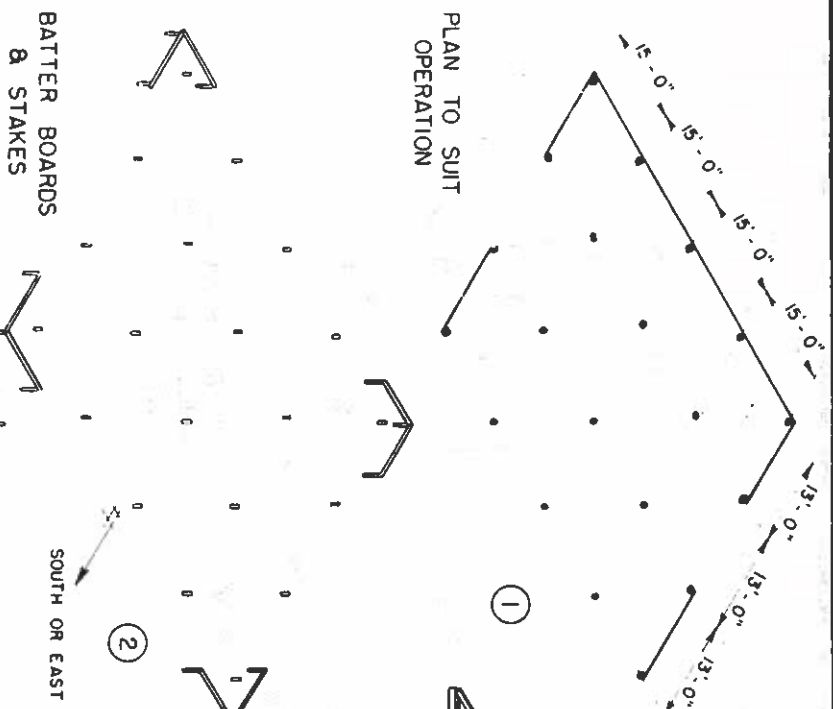
**NOTE**  
For horses use 6light window sash.  
8'0" from floor to top of sash.



## GENERAL BARN

**TEXAS AGRICULTURAL EXTENSION SERVICE**  
**THE TEXAS A&M UNIVERSITY SYSTEM**  
**AND**  
**U. S. DEPARTMENT OF AGRICULTURE COOPERATING**  
**DANIEL C. FRANNSTIEL, DIRECTOR, COLLEGE STATION, TEXAS**

|                |                 |
|----------------|-----------------|
| DRAWN BY: USDA | SCALE: AS SHOWN |
| TRACED BY: AES | SHEET 1 OF 1    |
| JULY, 1977     | SERIAL NO. 5551 |



POLES, RAFTERS, PURLINS & GIRTS

NOTE  
ALL POLES & SPLASH BOARDS TO BE PRESSURE-TREATED WITH PRESERVATIVE.

NOTE  
THIS BUILDING IS DESIGNED FOR AREAS OF THE SOUTHERN UNITED STATES WHERE THE SNOW LOAD DOES NOT EXCEED 10" PER SQ. FT. & WIND DOES NOT EXCEED 88 MI. PER HOUR. IN A FEW AREAS, SUCH AS NORTHERN VIRGINIA & WESTERN KENTUCKY WHERE SNOW LOADS EXCEED 10" PER SQ. FT., 2" X 12" RAFTERS SHOULD BE USED INSTEAD OF THE 2" X 10" RAFTERS SHOWN. & PURLINS SHOULD BE SPACED 16" O.C. INCREASE NUMBER OF 304 NAILS IN RAFTER TO POLE CONNECTIONS 50%. IT SHOULD NOT BE USED IN OTHER AREAS WITHOUT REDESIGNING FRAMING TO MEET LOCAL CONDITIONS.

NOTE  
THIS BARN MAY BE BUILT IN ANY LENGTH DESIRED IN UNITS OF 15'-0"

TEXAS AGRICULTURAL EXTENSION SERVICE  
THE TEXAS A&M UNIVERSITY SYSTEM  
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U. S. DEPARTMENT OF AGRICULTURE COOPERATING  
DANIEL C. PRAMSTIEL, DIRECTOR, COLLEGE STATION, TEXAS

POLE BARN—39' WIDE

DRAWN BY: SCALE AS SHOWN

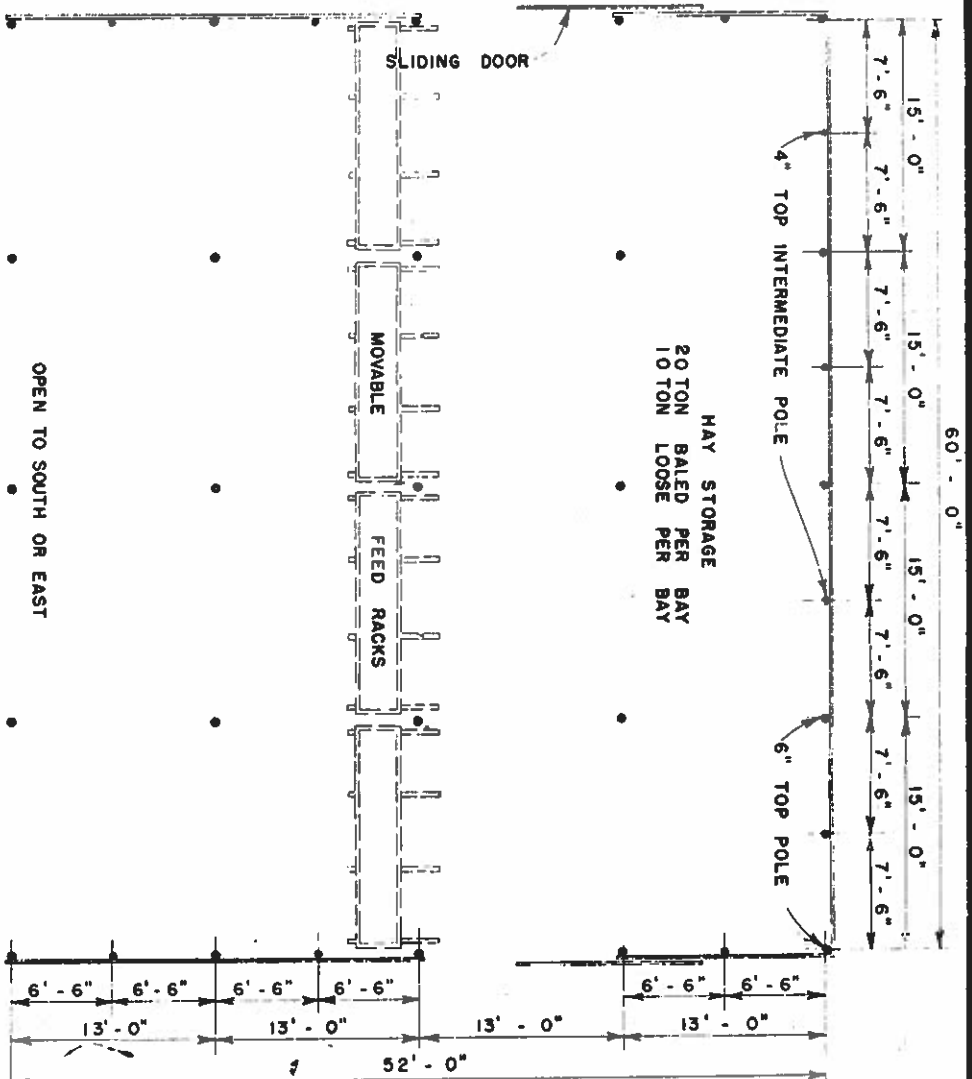
TRACED BY: SHEET 1 OF 3

AUG '76 SERIAL NO. 5780

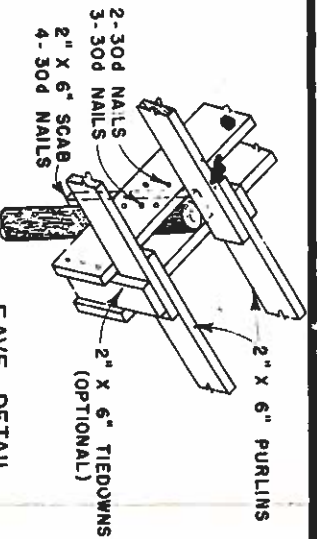
ERECTION OF BALANCE OF POLES & RAFTERS

POLE & RAFTERS

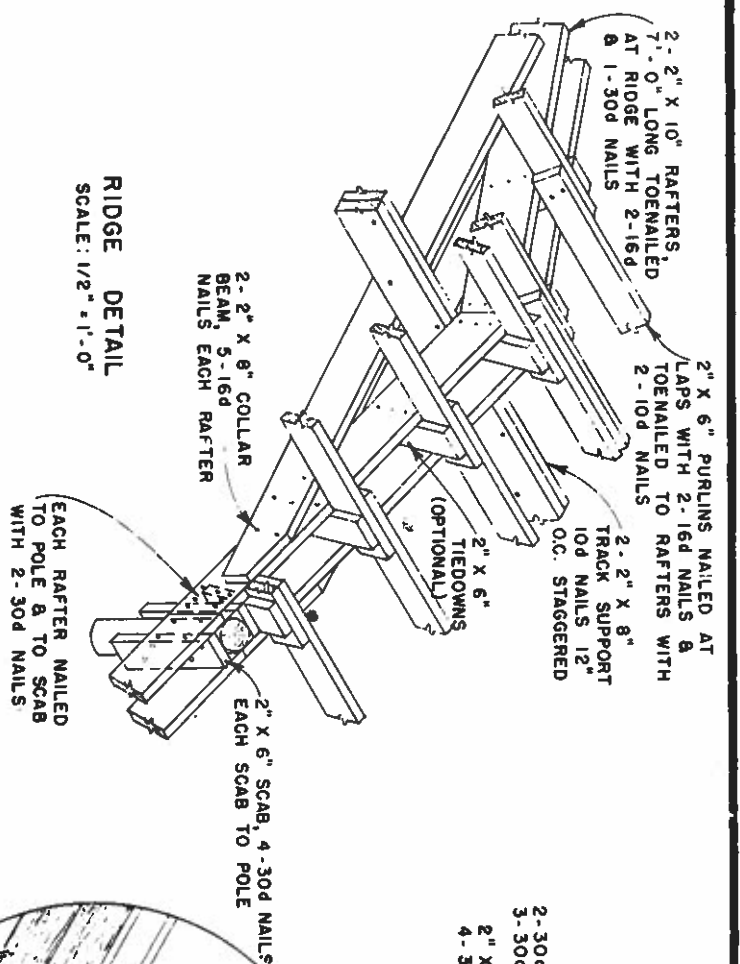




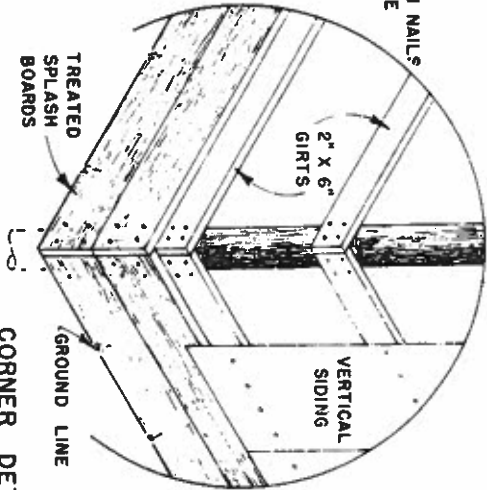
**EAVE DETAIL**  
SCALE: 1/2" = 1'-0"



**RIDGE DETAIL**  
SCALE: 1/2" = 1'-0"



**CORNER DETAIL**  
SCALE: 1/2" = 1'-0"

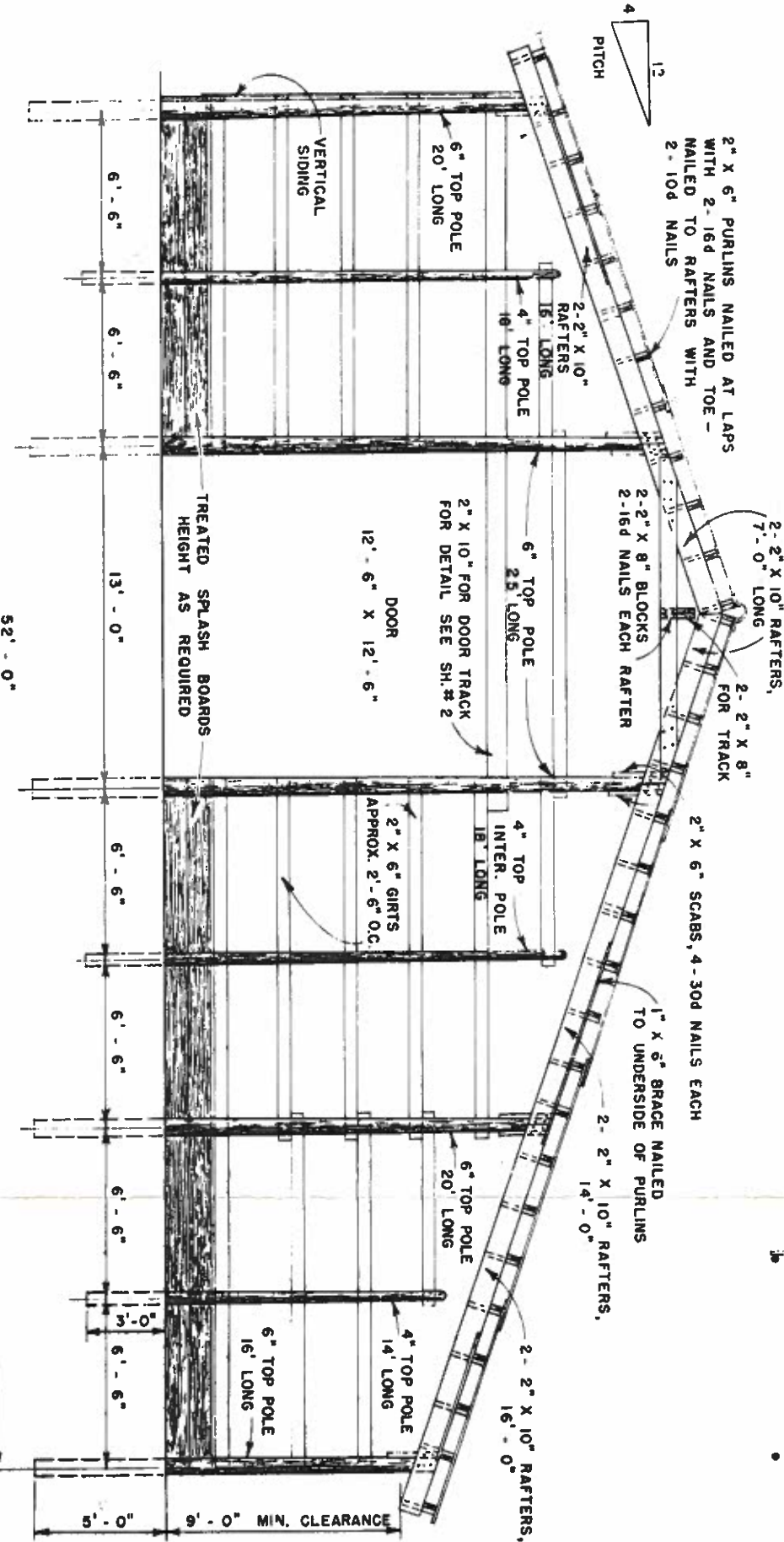


**FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

OPEN TO SOUTH OR EAST

**NOTE:**

ROOFING: PURLIN SPACING NOT TO EXCEED 2'-0" FOR .024" 2 1/2" CORRUGATED ALUM. OR 26 GA. 2 1/2" CORRUGATED GALVANIZED STEEL. SIDE LAP SHEETS AT LEAST 1 1/2" CORRUGATIONS. END LAPS 6" MIN. USE 2 1/2" CORRUGATED RIDGE ROLL. LUMBER NOMINAL, A LOMABLE FIBER STRESS-1500 PSI FOR PURLINS, 1200 PSI FOR RAFTERS. IF METAL SIDING IS USED, NAILING GIRTS TO BE SPACED TO CONFORM TO MANUFACTURERS DIRECTIONS.



**CROSS SECTION SHOWING END WALL FRAMING**  
SCALE: 1/4" = 1'-0"



**POLE BARN-39' WIDE**

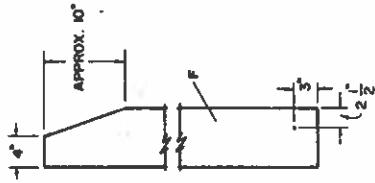
TEXAS AGRICULTURAL EXTENSION SERVICE  
AND  
THE TEXAS A&M UNIVERSITY SYSTEM  
U.S. DEPARTMENT OF AGRICULTURE COOPERATING  
DANIEL C. FRANKSTEL, DIRECTOR, COLLEGE STATION, TEXAS

|            |                 |
|------------|-----------------|
| DRAWN BY:  | SCALE: AS SHOWN |
| TRACED BY: | SHEET 3 OF 3    |
| AUG 76     | SERIAL NO. 5780 |









NECK BOARD DETAIL

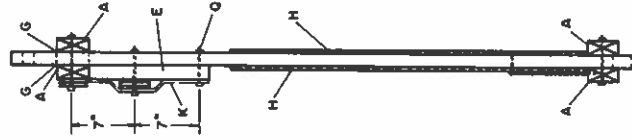
| ITEM NO. | DESCRIPTION                     |
|----------|---------------------------------|
| A        | 2"x4"x59" HORIZONTALS           |
| B        | 2"x4"x69" UPRIGHTS              |
| C        | 2"x4"x45" BRACE                 |
| D        | 2"x4"x4" BLOCK                  |
| E        | 2"x4"x13" BLOCK                 |
| F        | 2"x6"x67" NECK BOARD            |
| G        | 1/2"x4"x4" HARDBOARD SPACER     |
| H        | 1/2"x15"x39" EXT. PLYWOOD BRACE |
| I        | 2" PULLEYS                      |
| J        | 1/2"x8" STRAP IRON              |
| K        | 1/2"x7" STRAP IRON              |
| L        | 1/2"x4" STRAP IRON              |
| M        | 1/2"x32" SPRING TOOTH           |
| N        | 1/2"x124" CHAIN                 |
| O        | 1/2"x5" MACHINE BOLT            |
| P        | 1/2"x6" MACHINE BOLT            |
| Q        | 1/2"x3/4" MACHINE BOLT          |
| R        | 1/2"x2" MACHINE BOLT            |
| S        | 1/2" CUT WASHER                 |
| T        | HOOK                            |
| U        | 1/2"x36" PIPE                   |

NOTES

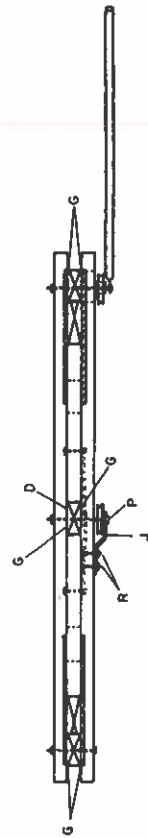
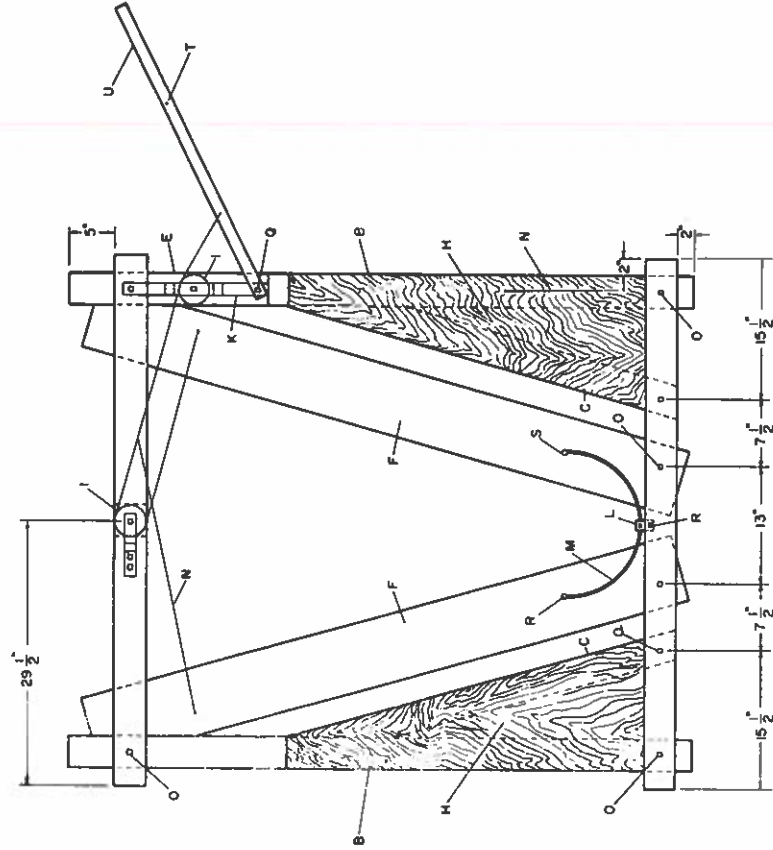
1. WELD CUT WASHER (S) TO SPRING TOOTH (M).
2. 1/2" CABLE MAY BE SUBSTITUTED FOR CHAIN (N).
3. USE PRESSURE TREATED LUMBER FOR LONGER LASTING HEADGATE.
4. HEADGATE MAY BE MOUNTED ON CHUTE IF DESIRED.
5. LENGTH OF BOLTS BASED ON KILN DRIED LUMBER.

DESIGN BY : MYRON PAINE & PAT LEWIS  
ACKNOWLEDGEMENT IS MADE  
TO MAX R. CRAIGHEAD  
(EXTENSION FORESTER) FOR  
HIS CONTRIBUTION TO THIS  
DESIGN.

SIDE VIEW  
HANDLE NOT SHOWN



FRONT VIEW



TOP VIEW

TEXAS AGRICULTURAL EXTENSION SERVICE  
AND  
THE TEXAS A&M UNIVERSITY SYSTEM  
U. S. DEPARTMENT OF AGRICULTURE COOPERATING  
DANIEL C. PFANNSTIEL, DIRECTOR, COLLEGE STATION, TEXAS

WALK - THRU HEADGATE

DRAWN BY: SCALE  
TRACED BY: SHEET 1 OF 1  
7/70 6077