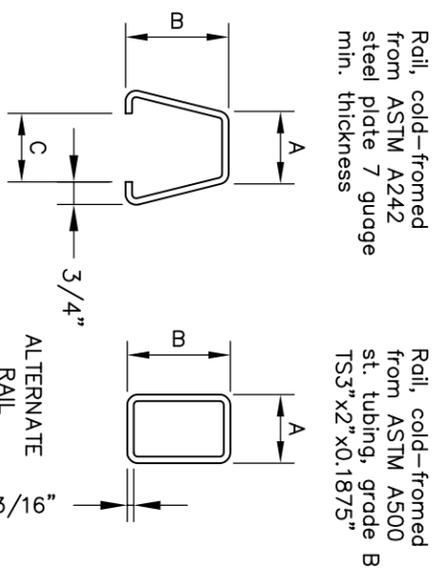


PLAN VIEW

SECTION (X)

NOTES:

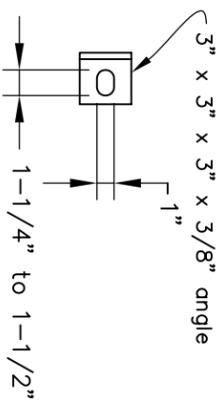
1. End plates flush with, and welded to, rails.
2. Provide (4) 2" x 1/4" torque bars on grids, full length, spaced as shown, and welded with 3/16" fillet welds to top of rails.



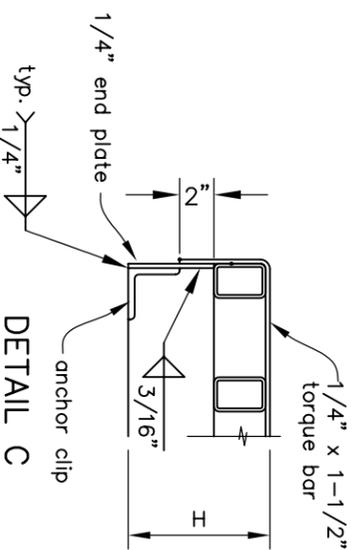
Rail, cold-formed from ASTM A242 steel plate 7 gauge min. thickness

Rail, cold-formed from ASTM A500 st. tubing, grade B TS3"x2"x0.1875"

CROSS SECTION OF RAIL



ANCHOR CLIP - DETAIL B



DETAIL C

DIMENSIONS

- L = _____ (ft)
- W = _____ (ft)
- H = _____ (ft)
- A = _____ (ft)
- B = _____ (ft)
- C = _____ (ft)
- D = _____ (ft)

This drawing requires supporting technical documentation prior to use and must be adapted to the specific site.

Drawing not to scale.

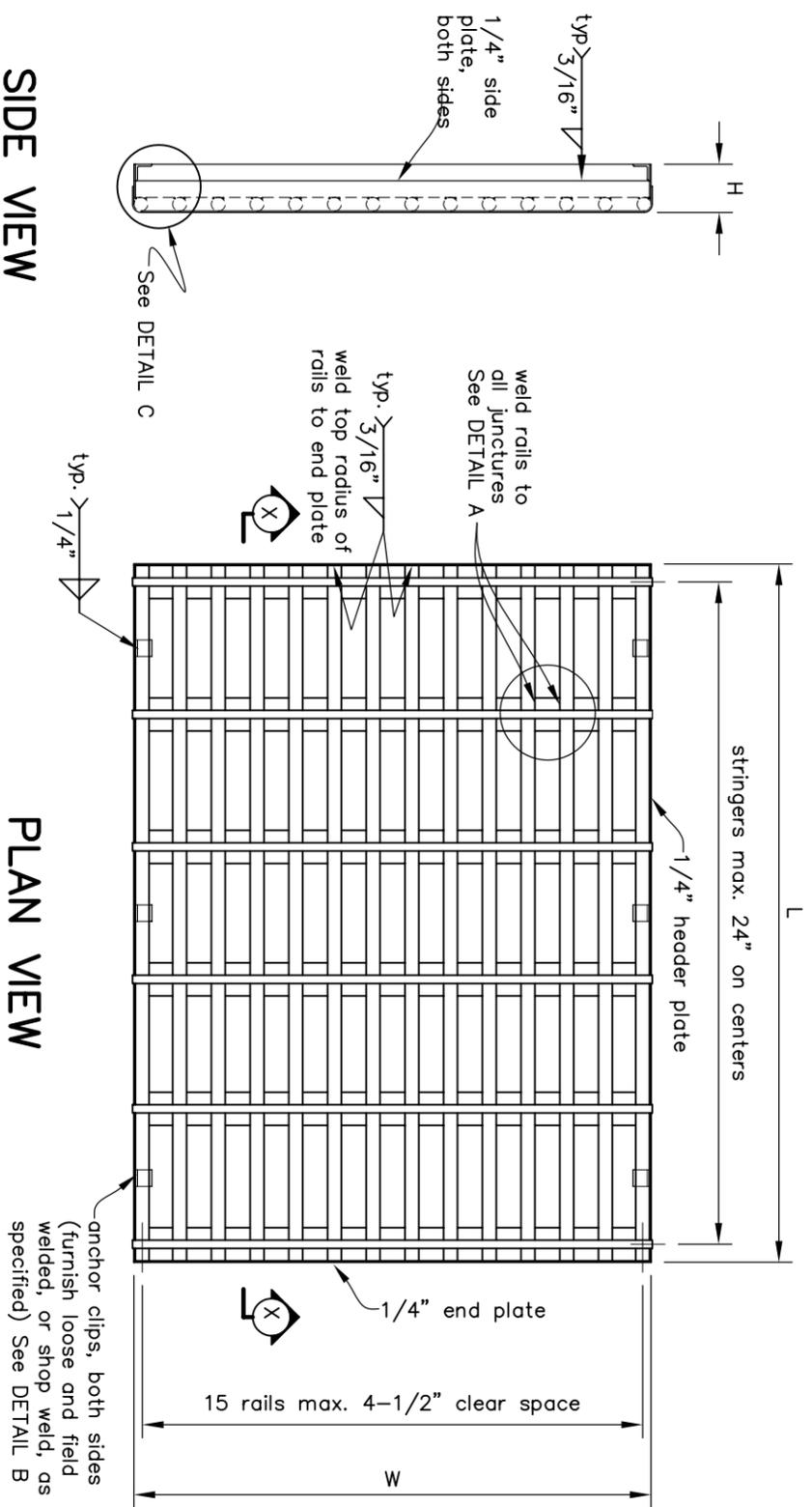


CATTLE GUARD
GRID 1

LIVESTOCK FACILITIES

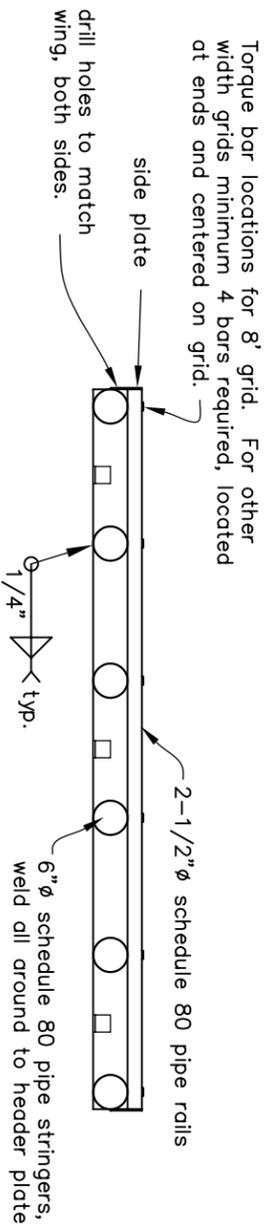
Designed _____	Date _____
Drawn _____	8/05
Checked _____	_____
Approved _____	_____
Title _____	_____

File Name or -cattle-guard.dwg
Drawing No.
Sheet _____ of _____



SIDE VIEW

PLAN VIEW



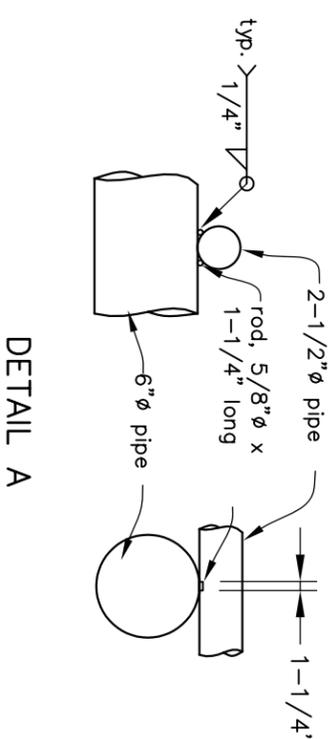
SECTION X-X

NOTES:

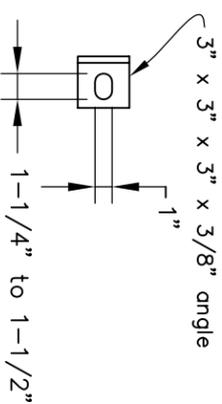
1. End plates flush with, and welded to, rails.
2. Provide (4) 2" x 1/4" torque bars on grids, full length, spaced as shown, and welded with 3/16" fillet welds to top of rails.

DIMENSIONS

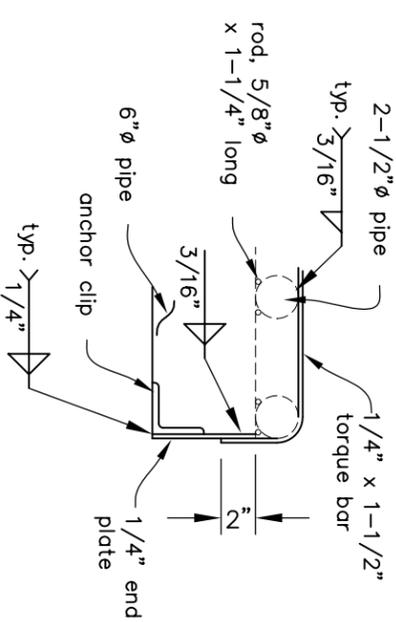
L = _____ (ft)
 W = _____ (ft)
 H = _____ (ft)



DETAIL A



ANCHOR CLIP - DETAIL B



DETAIL C

This drawing requires supporting technical documentation prior to use and must be adapted to the specific site.

**CATTLE GUARD
 GRID 2**

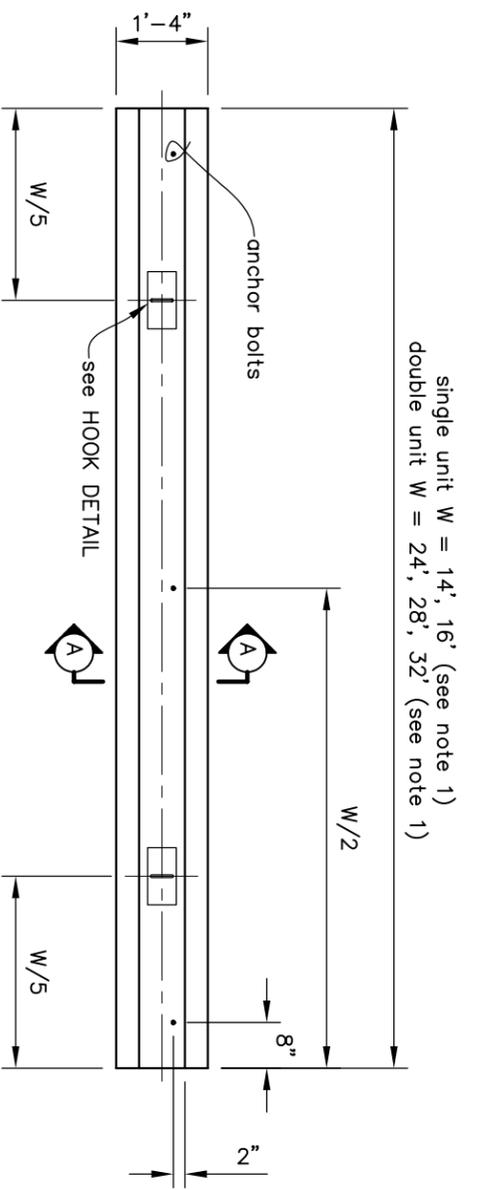
LIVESTOCK FACILITIES



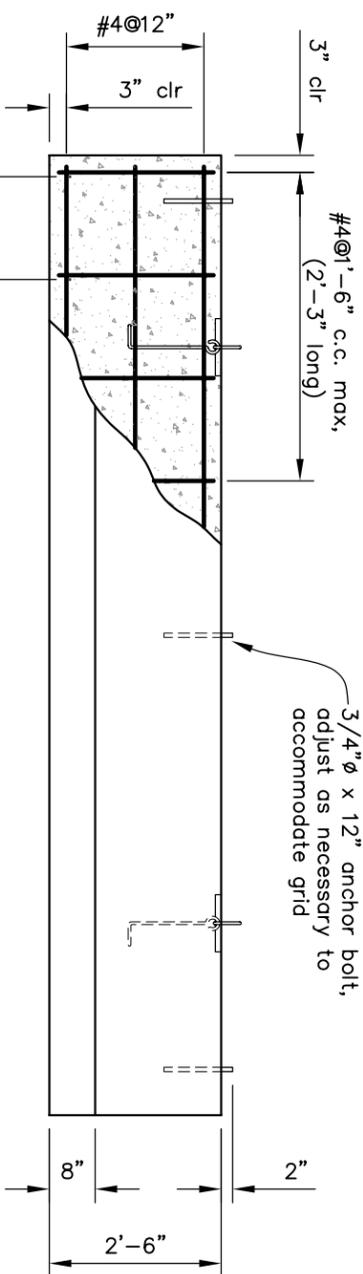
Designed _____	Date _____
Drawn _____	8/05
Checked _____	
Approved _____	
Title _____	

File Name
 or -cattle-guard.dwg
 Drawing No.
 Sheet _____ of _____

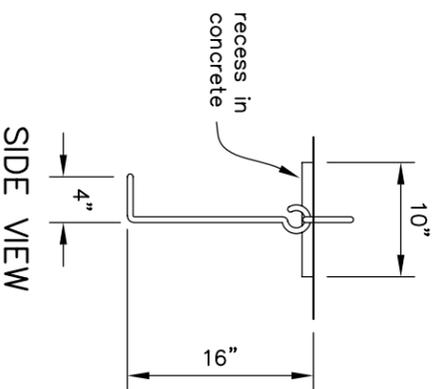
Drawing not to scale.



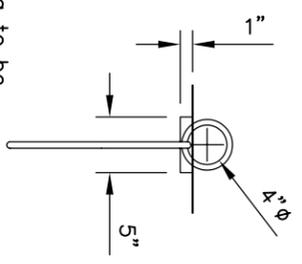
PLAN



ELEVATION



SIDE VIEW



END VIEW

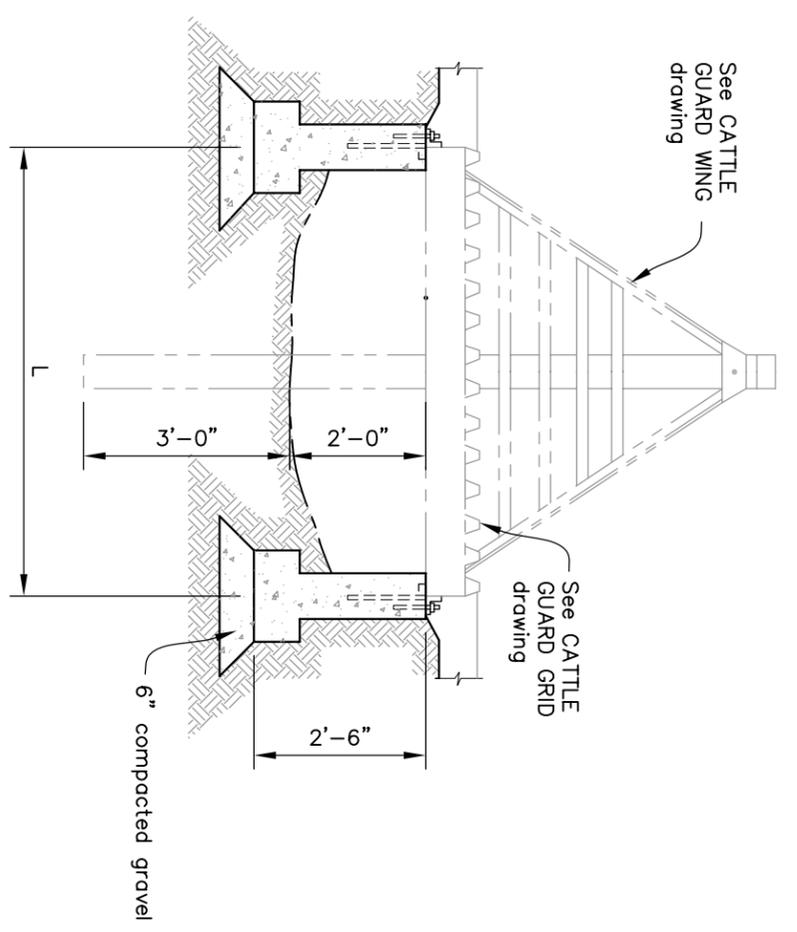
DIMENSIONS

L = _____ (ft)
W = _____ (ft)

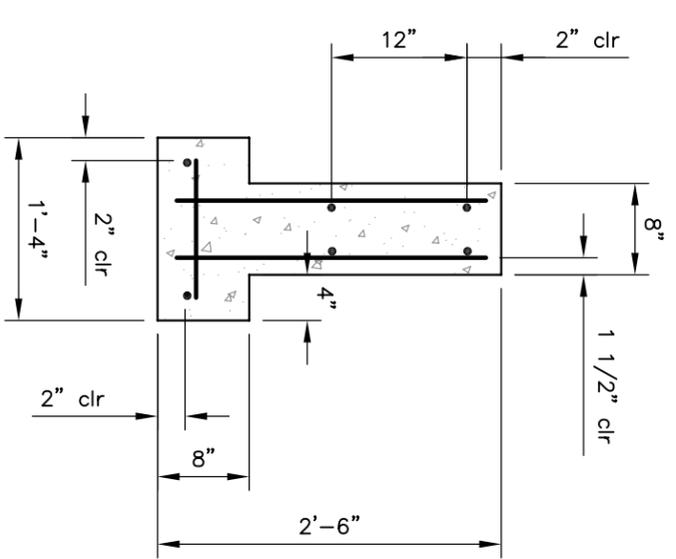
NOTE: Submit fabricator's standard lifting eye for approval in lieu of design shown.

HOOK DETAIL

SECTION AT ROAD E



SECTION (A)



This drawing requires supporting technical documentation prior to use and must be adopted to the specific site.

Drawing not to scale.

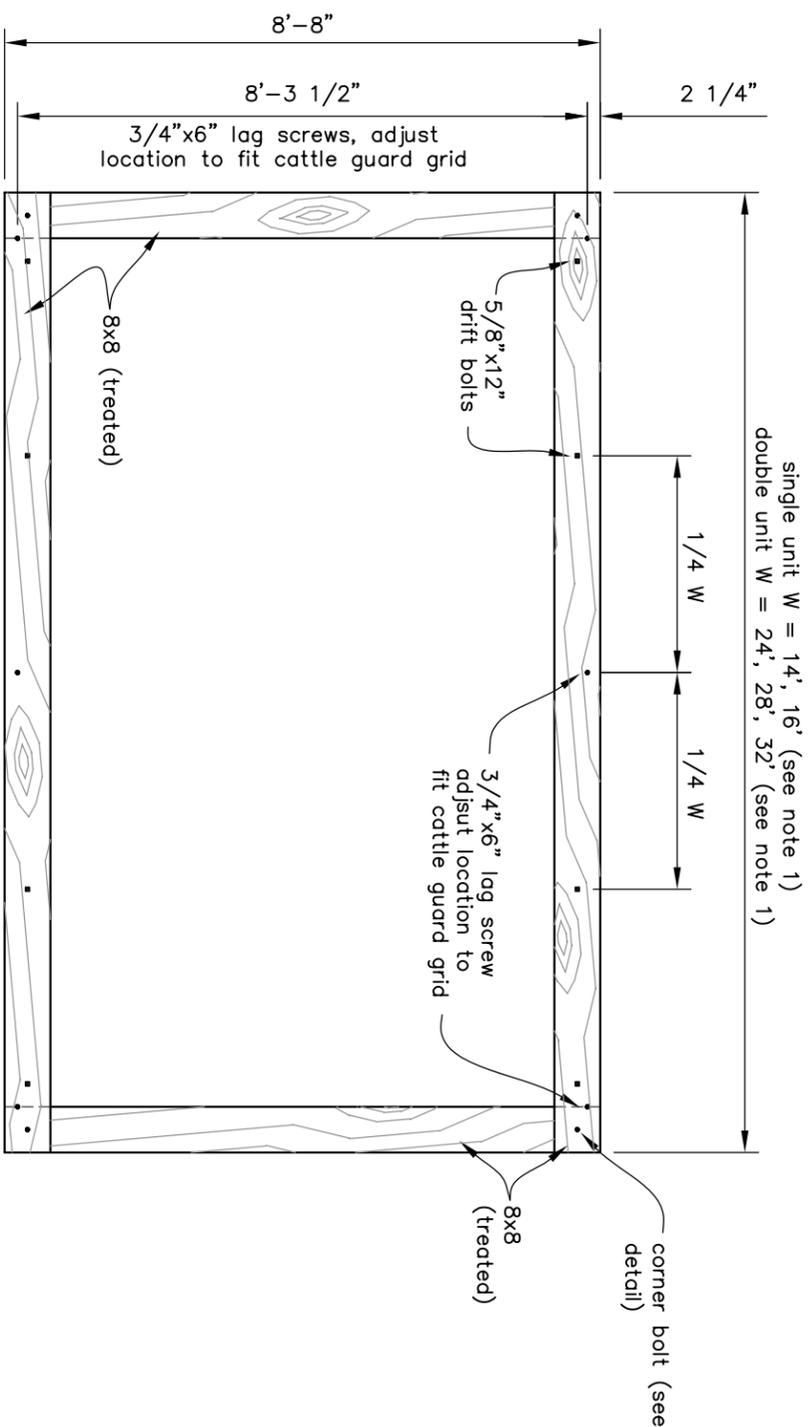


CATTLE GUARD
PRECAST FOUNDATION

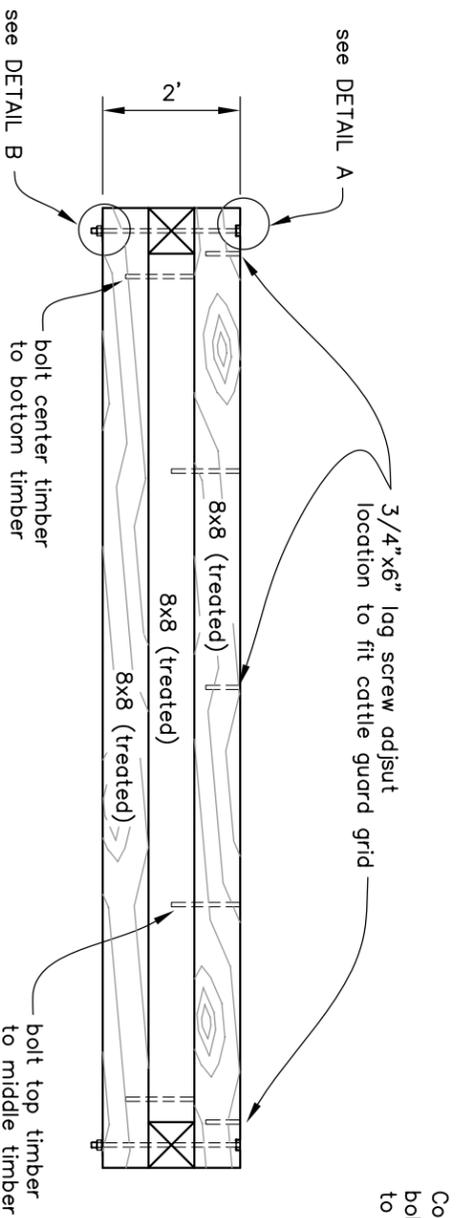
LIVESTOCK FACILITIES

Designed	_____	Date	_____
Drawn	_____	8/05	_____
Checked	_____		_____
Approved	_____		_____
Title	_____		_____

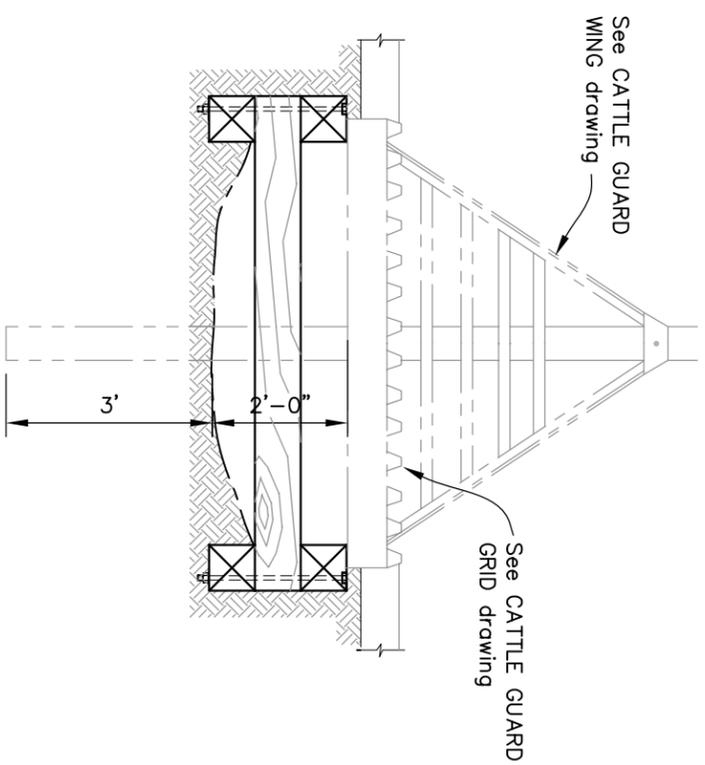
File Name
or -cattle-guard.dwg
Drawing No.
Sheet _____ of _____



PLAN



SIDE ELEVATION



END ELEVATION

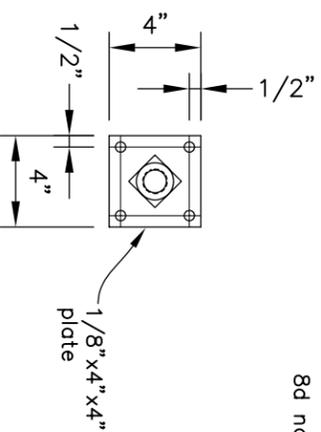
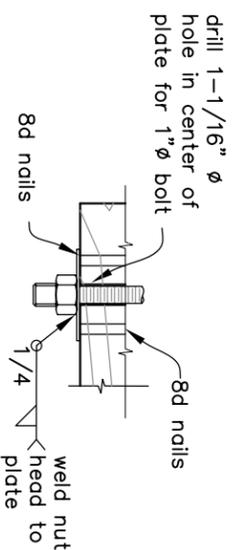
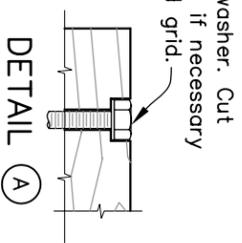


PLATE DETAIL

CORNER BOLT DETAIL

DIMENSIONS:

L = _____ (ft)

W = _____ (ft)

NOTES:

1. Dimensions for lumber are nominal unless otherwise noted.

This drawing requires supporting technical documentation prior to use and must be adapted to the specific site.

Drawing not to scale.

Designed	_____	Date	_____
Drawn	_____	8/05	_____
Checked	_____		_____
Approved	_____		_____
Title	_____		_____

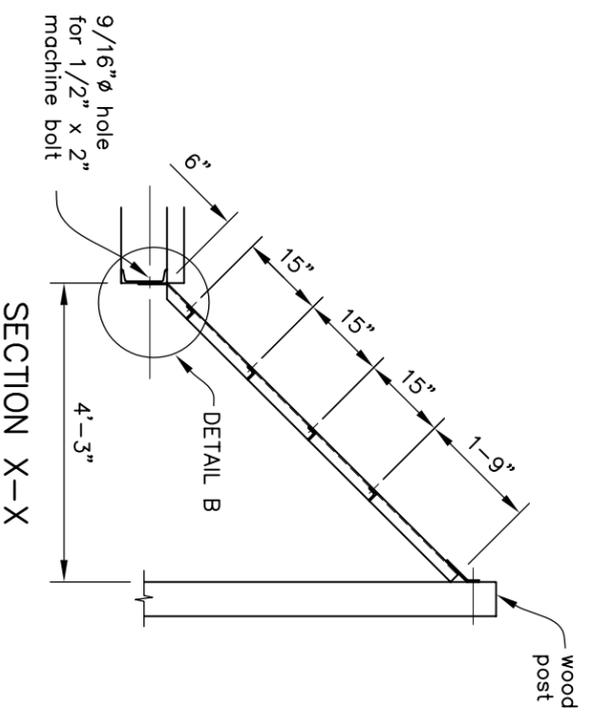
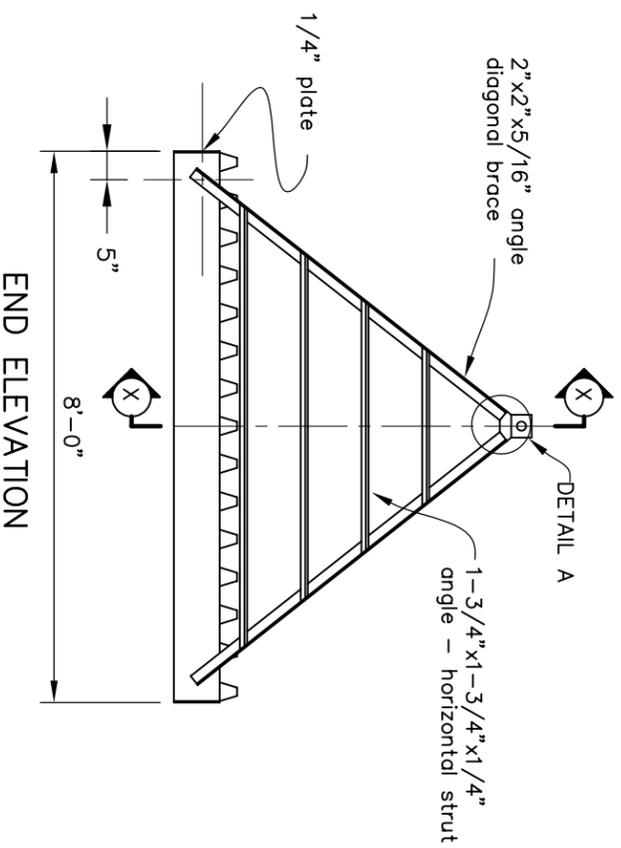
**CATTLE GUARD
TIMBER FOUNDATION**

LIVESTOCK FACILITIES

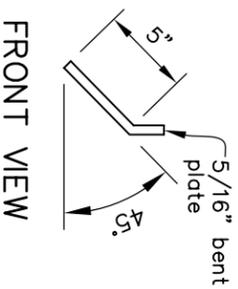
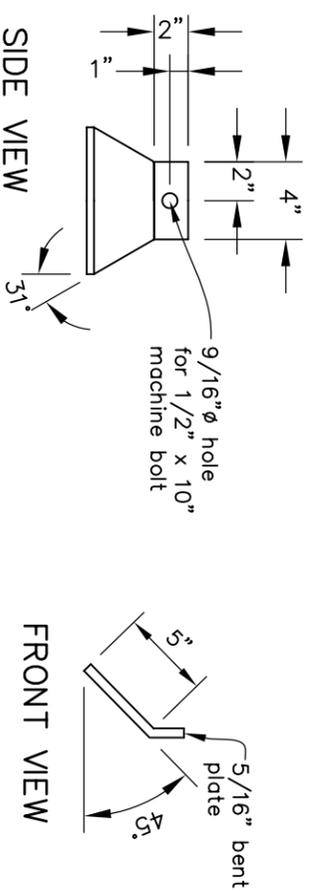


File Name
or -cattle-guard.dwg
Drawing No.

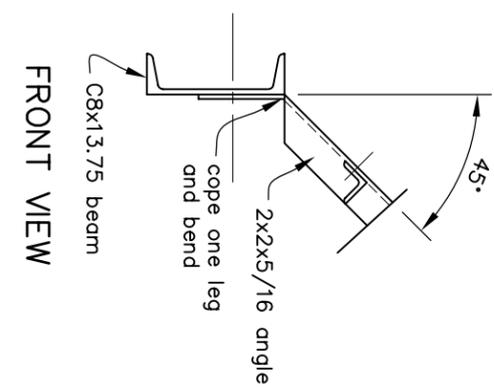
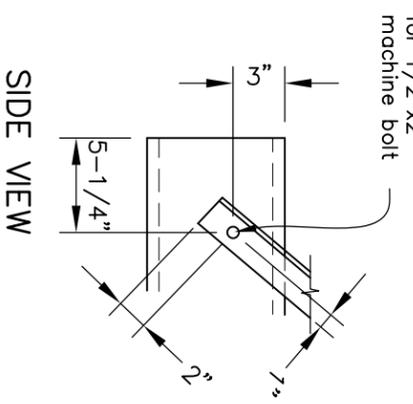
Sheet _____ of _____



ANGLE IRON END WING



DETAIL A



DETAIL B

This drawing requires supporting technical documentation prior to use and must be adapted to the specific site.

Designed	_____	Date	_____
Drawn	_____	8/05	_____
Checked	_____		_____
Approved	_____		_____
Title	_____		_____

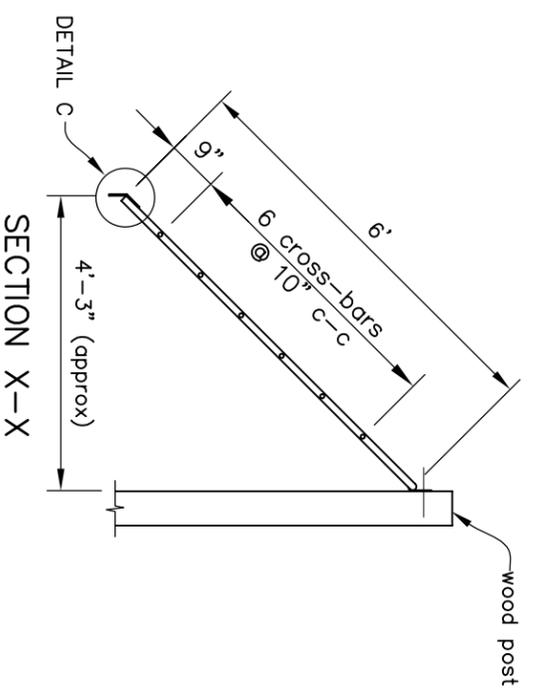
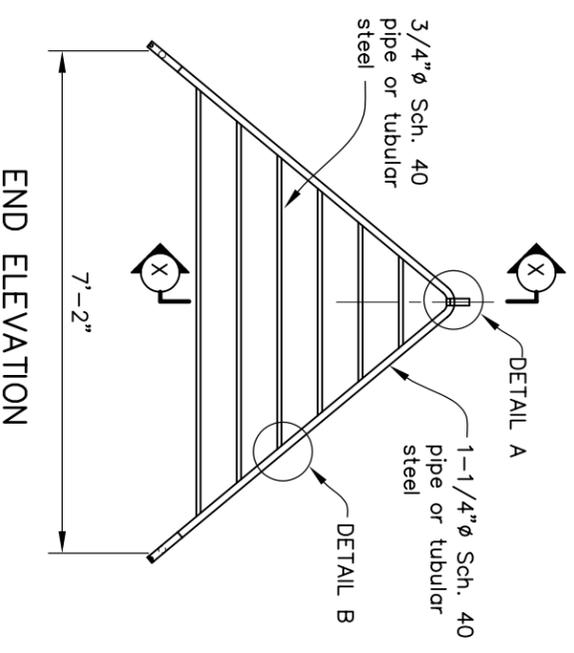
CATTLE GUARD
ANGULAR WINGS
LIVESTOCK FACILITIES



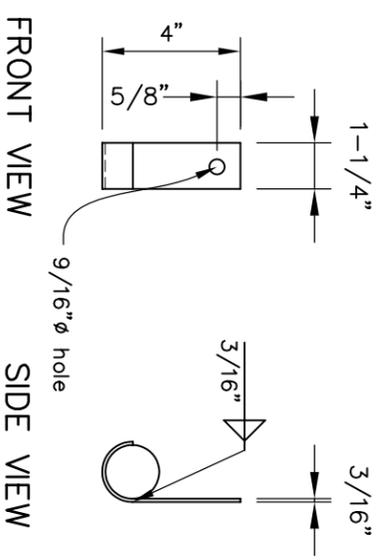
File Name
or_cattle-guard.dwg
Drawing No.

Drawing not to scale.

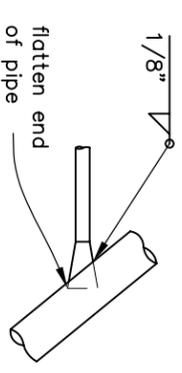
Sheet _____ of _____



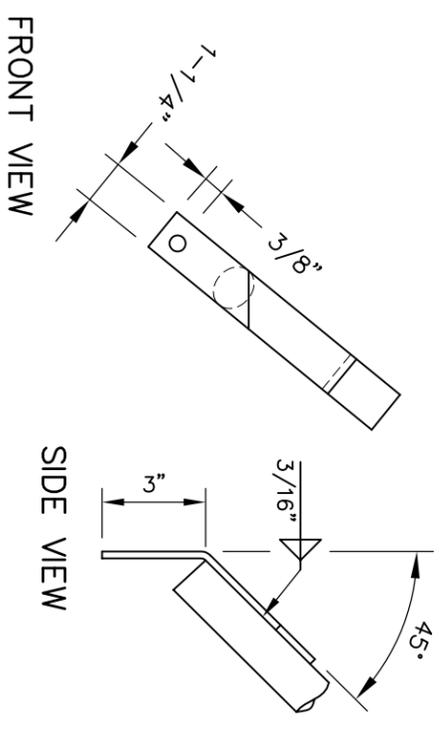
TUBULAR END WING



DETAIL A



DETAIL B



DETAIL C

This drawing requires supporting technical documentation prior to use and must be adapted to the specific site.

Designed	_____	Date	_____
Drawn	_____	8/05	_____
Checked	_____		_____
Approved	_____		_____
Title	_____		_____

**CATTLE GUARD
TUBULAR WINGS**

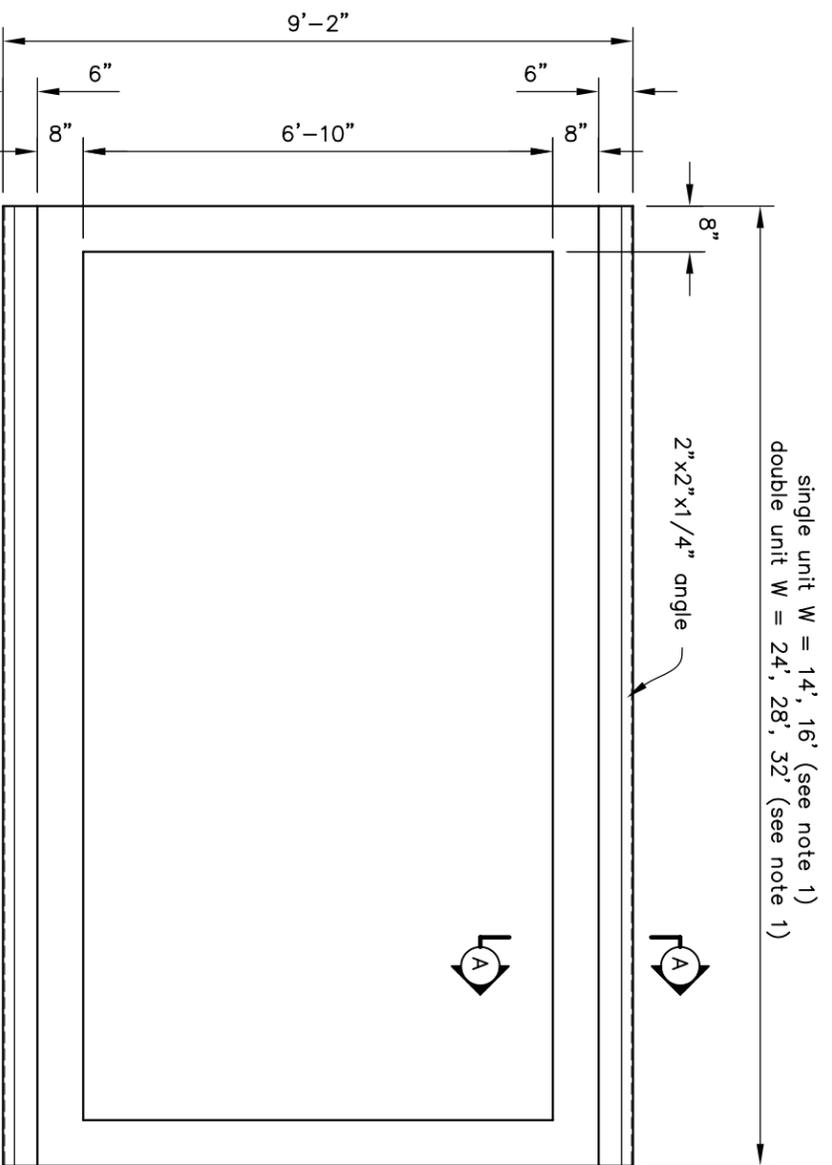
LIVESTOCK FACILITIES



File Name
or_cattle-guard.dwg
Drawing No.

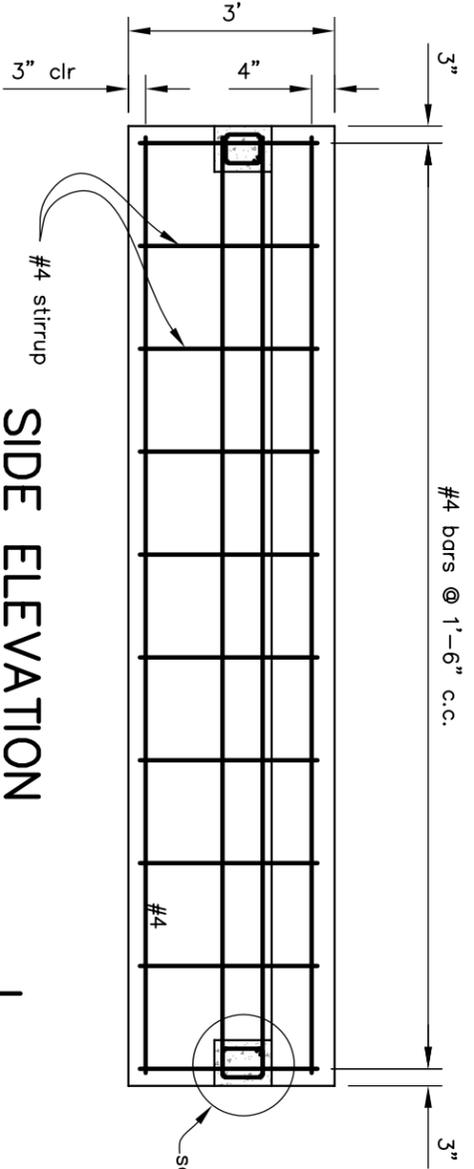
Drawing not to scale.

Sheet _____ of _____



single unit W = 14', 16' (see note 1)
 double unit W = 24', 28', 32' (see note 1)

PLAN

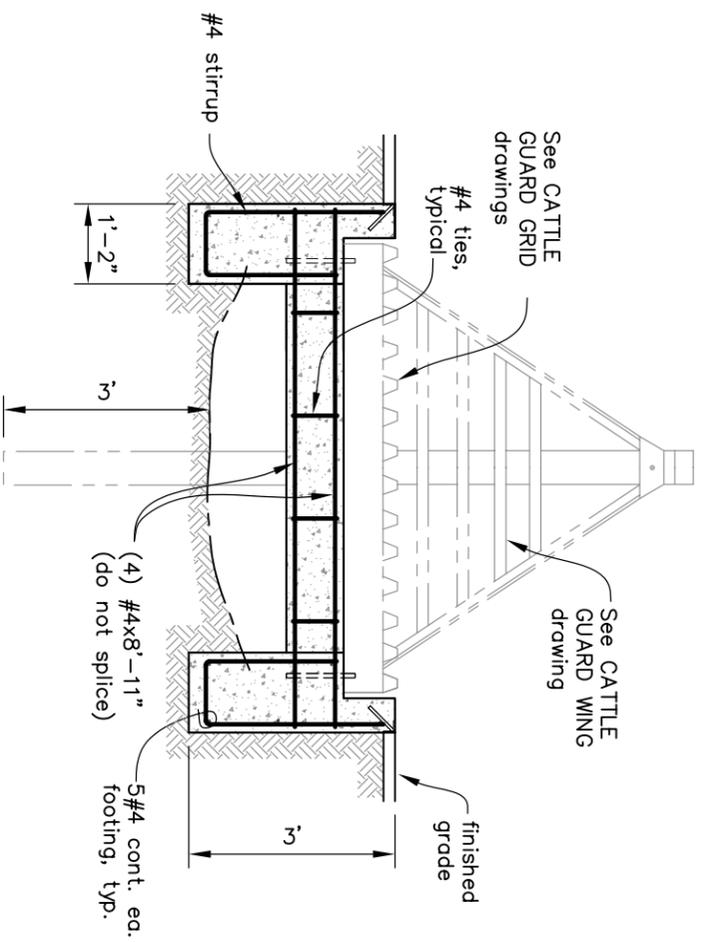
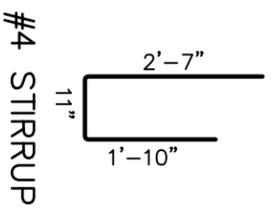


SIDE ELEVATION

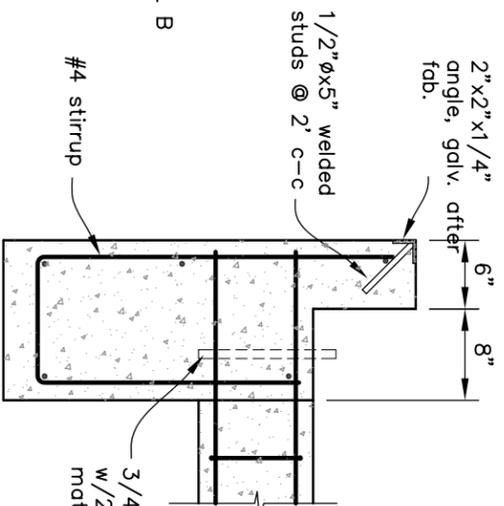
DIMENSIONS

L = _____ (ft)

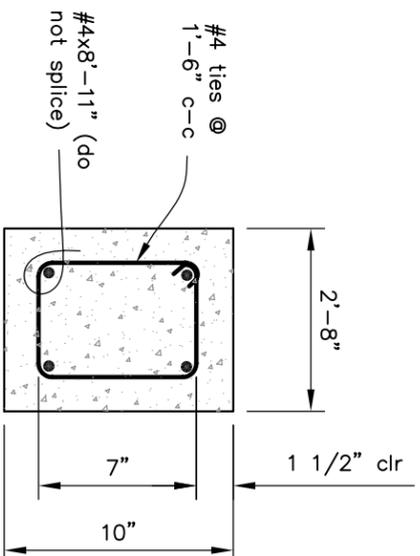
W = _____ (ft)



END ELEVATION



SECTION (A)



DETAIL B

This drawing requires supporting technical documentation prior to use and must be adapted to the specific site.

Drawing not to scale.



CATTLE GUARD
 CAST-IN-PLACE CONCRETE FOUNDATION

LIVESTOCK FACILITIES

Designed	_____	Date	_____
Drawn	_____	8/05	_____
Checked	_____		_____
Approved	_____		_____
Title	_____		_____

File Name	or_cattle-guard.dwg
Drawing No.	
Sheet	of