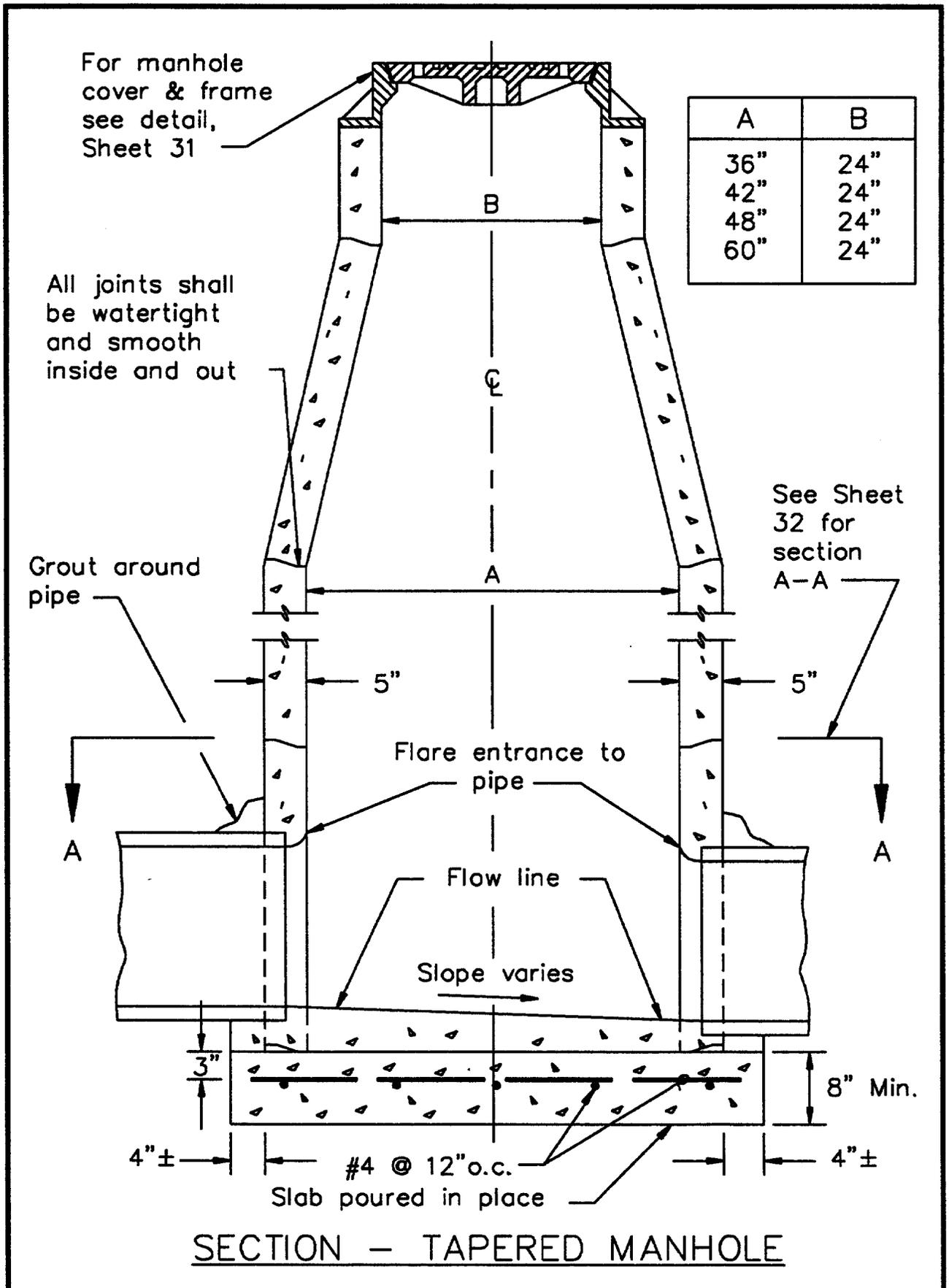
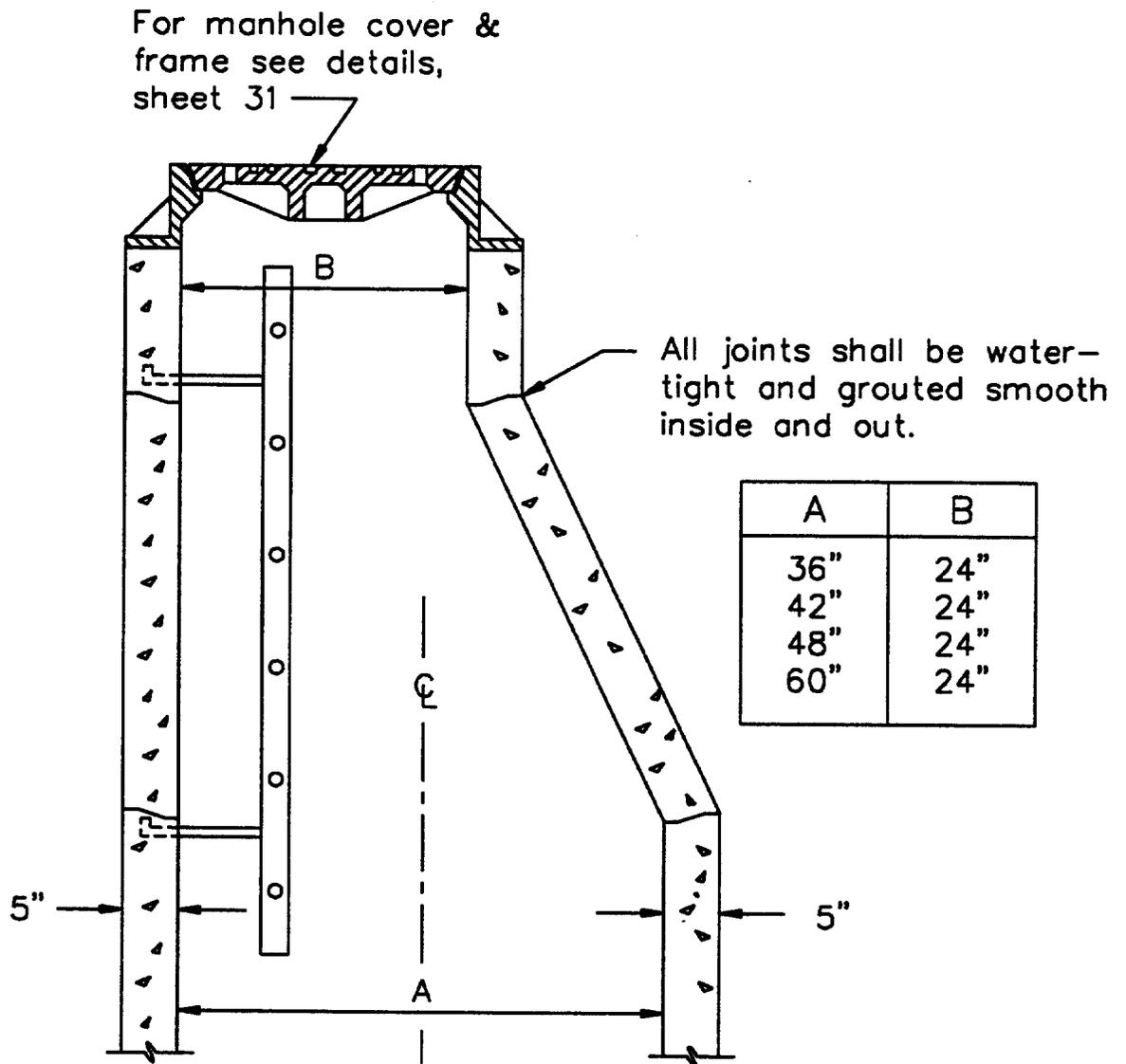


NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.

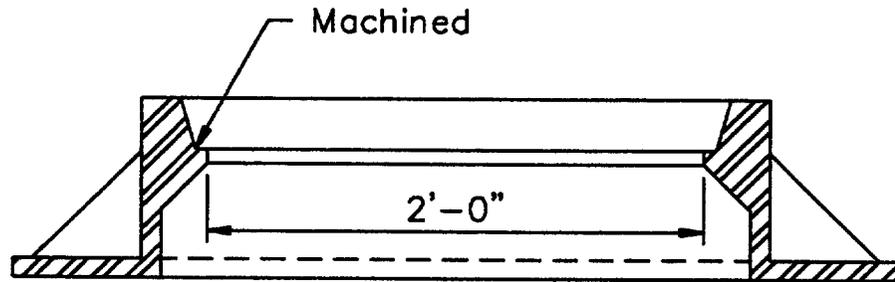


NOTES:

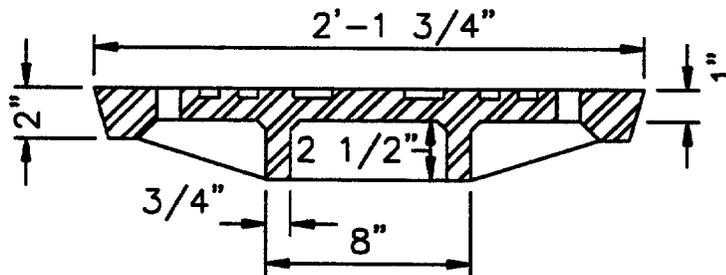
1. Install precast eccentric cone when depth from top of cover to invert of outlet pipe exceeds 12' and provide with ladder described in Note #2.
2. permanently installed galvanized steel side-rail ladder, securely anchored, will conform to the following: projection from wall to center of rungs 7" (min.), length of rungs 16" (min.), vertical spacing of rungs 12" o.c. (max.), diameter of rungs 7/8". Top of ladder shall be located a max. of 6" below bottom of manhole frame. Rails shall be not less than 2 inches by 1/2-inch in section.

SECTION - ECCENTRIC MANHOLE

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



FRAME



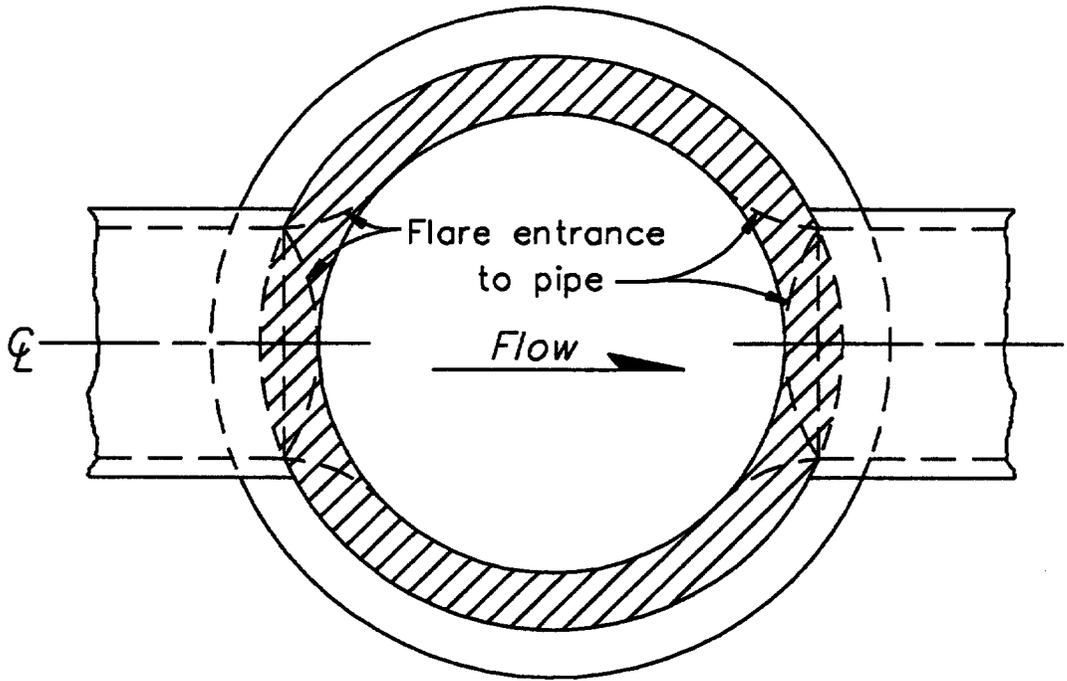
COVER

NOTE:

Minimum combined weight of frame and cover shall be not less than 400 lbs.

SECTION - MANHOLE COVER AND FRAME

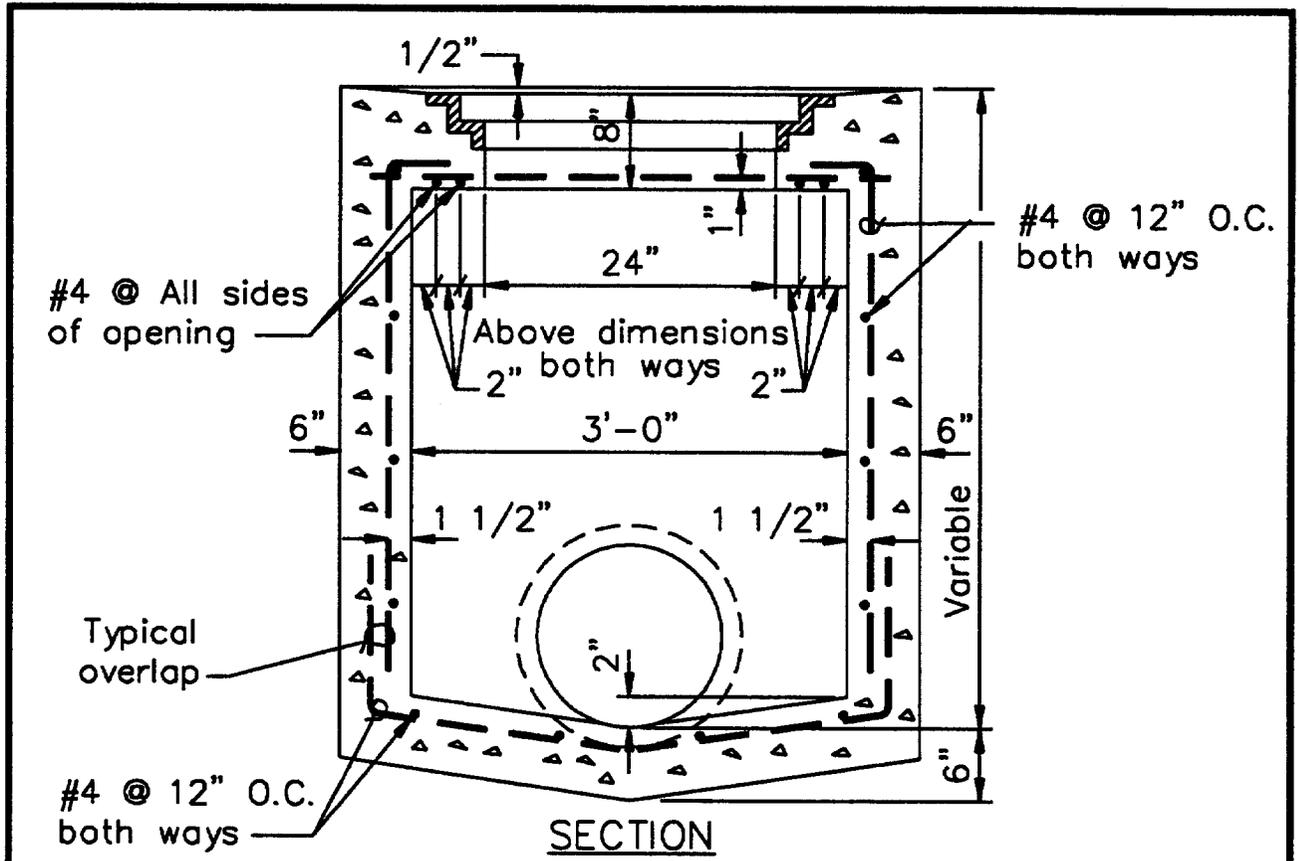
NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



See Sheet 29 for location of Section A-A

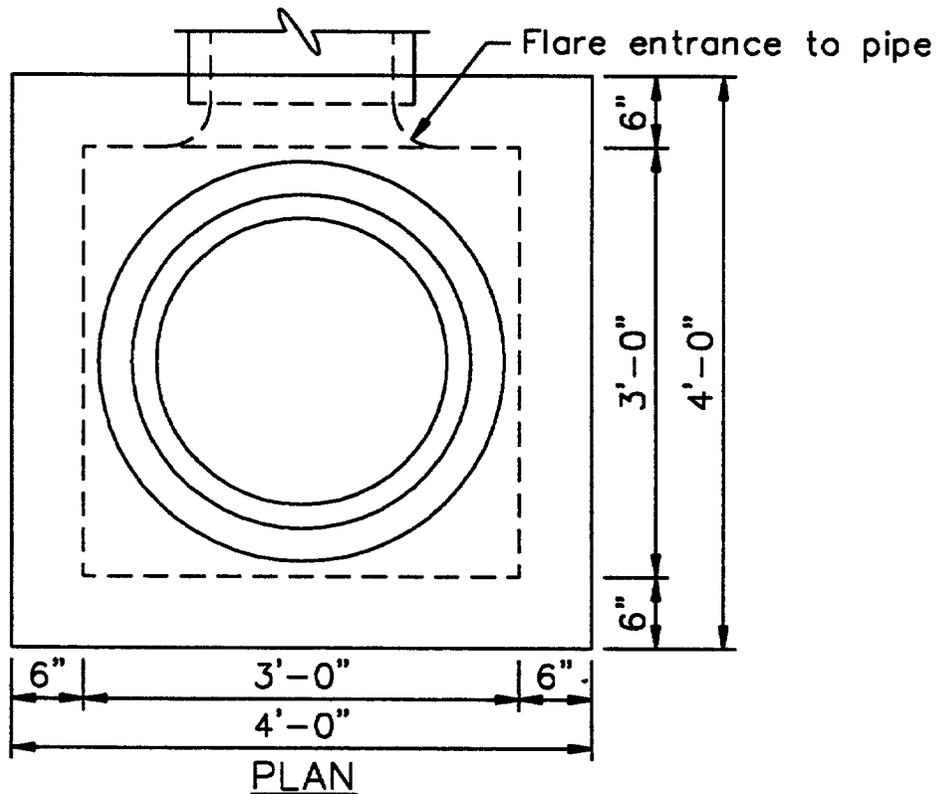
SECTION A-A

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



NOTE:

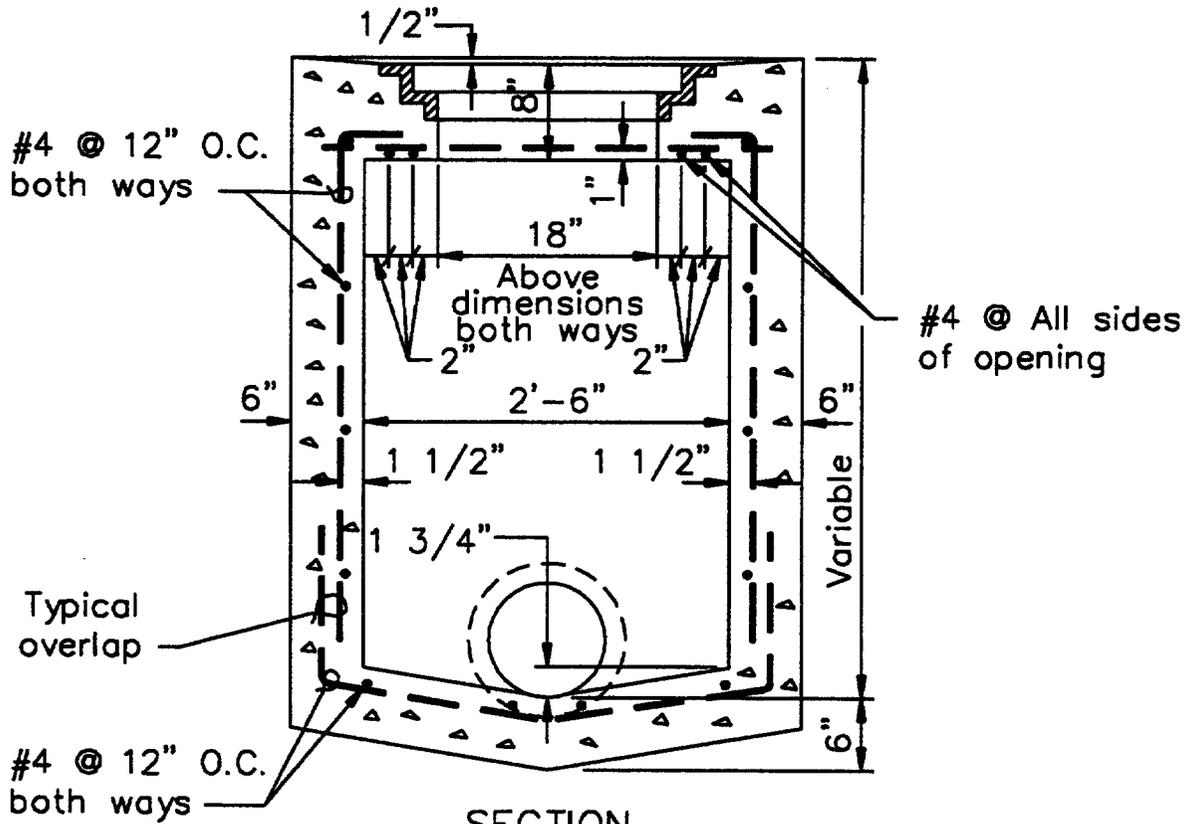
For cover see sht. No. 39



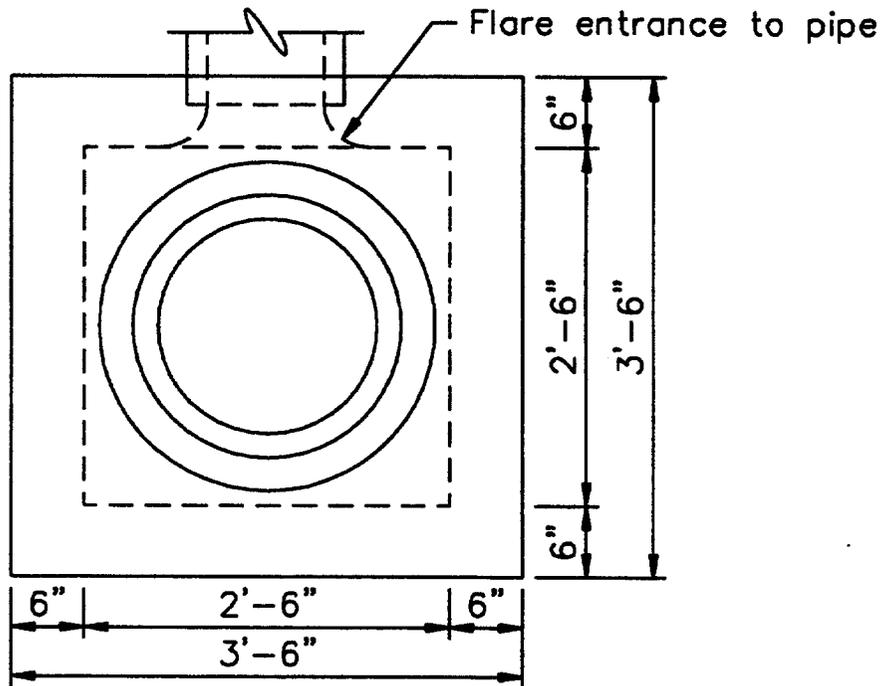
TYPE "A" INLET

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

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



SECTION



NOTE:
For cover
see sht.
No. 40

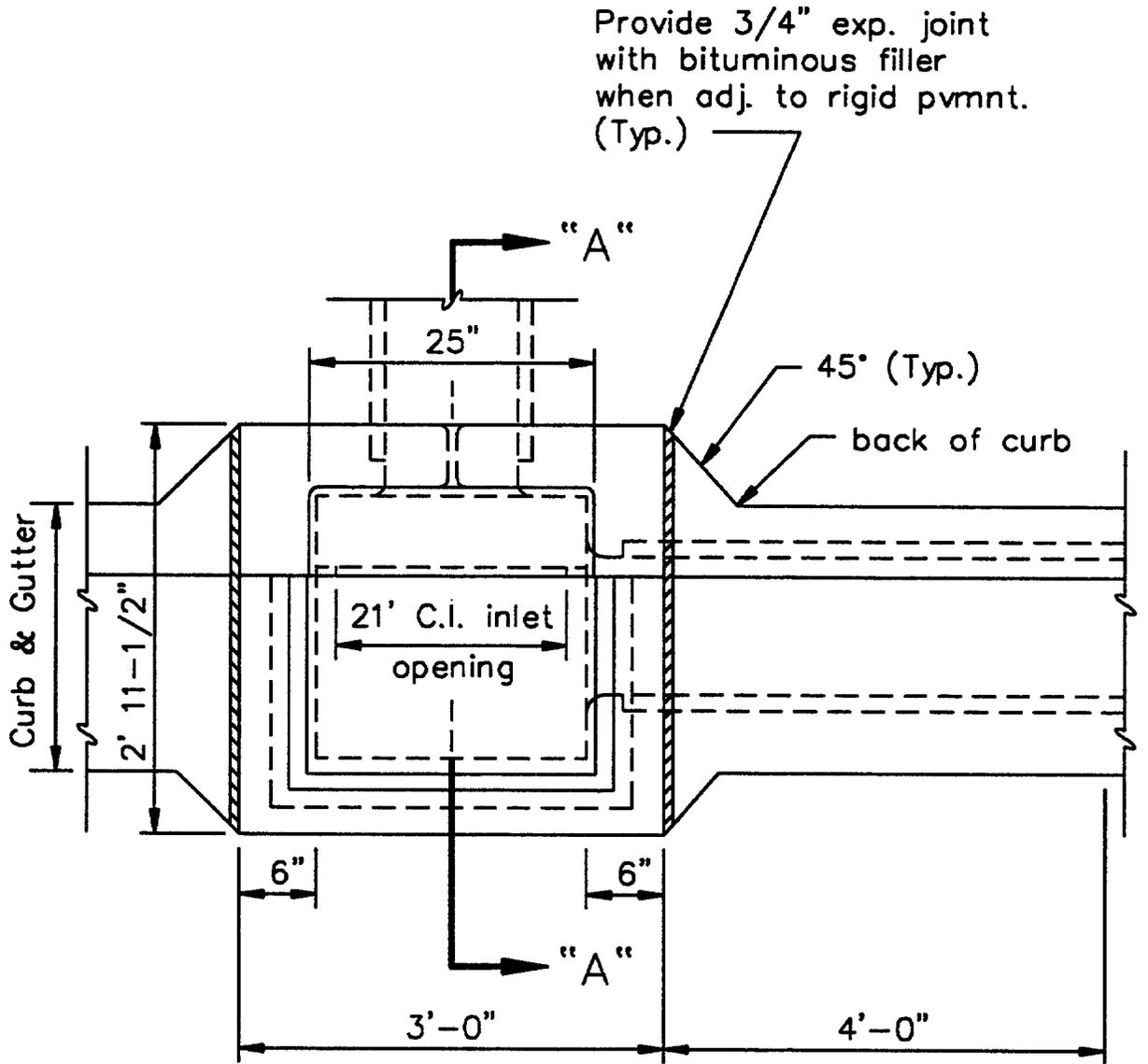
PLAN

TYPE "B" INLET

SCALE: 3/4" = 1'-0"

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.

NOTE: For section A-A, see
Sheet No. 36



Curb transition 6" to
8-1/2" Typ. both sides
where applicable

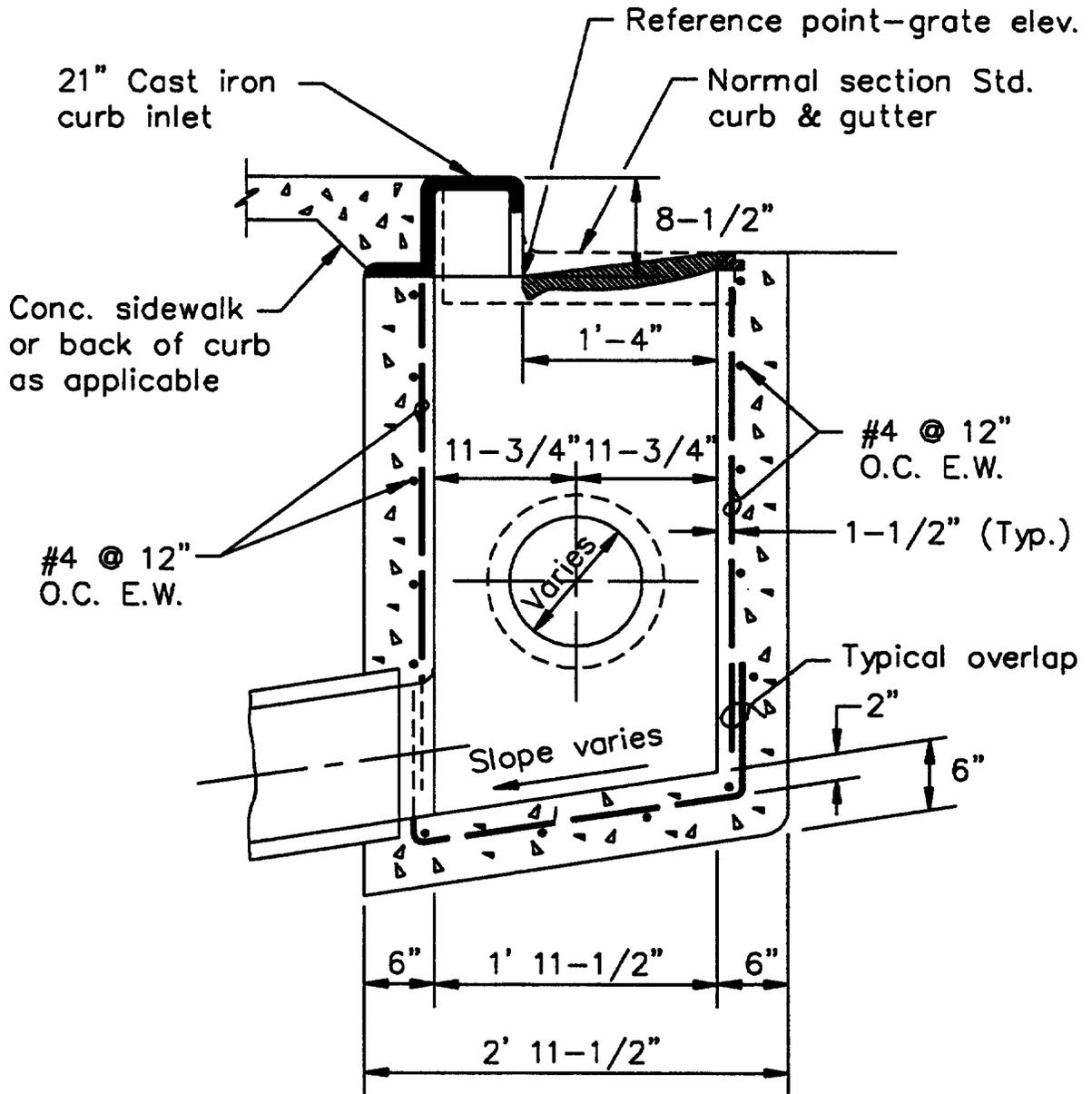
PLAN

TYPE "C" INLET

NO SCALE

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.

NOTE: For plan, see sheet No. 35



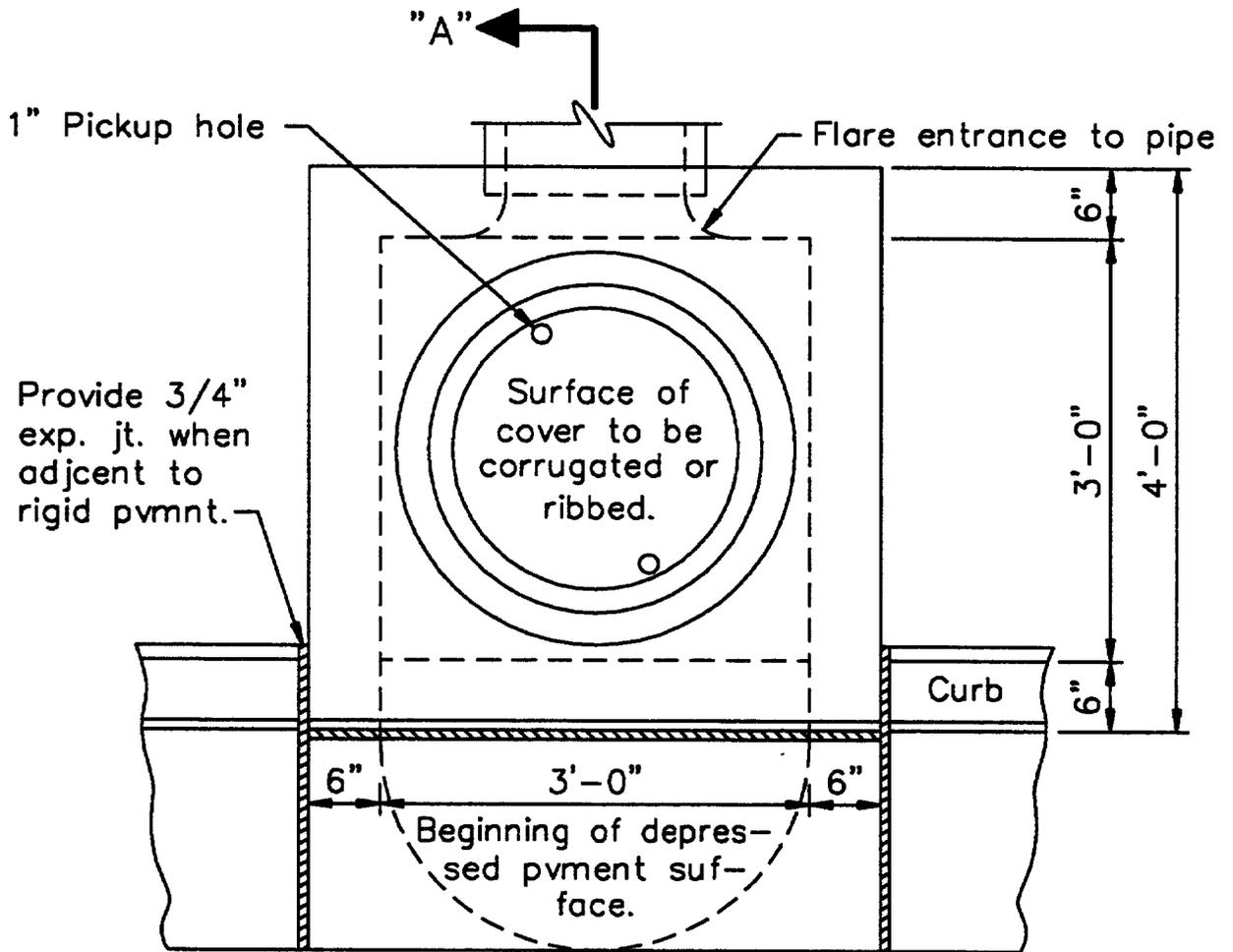
SECTION A-A

TYPE "C" INLET

NO SCALE

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.

NOTE: For section A-A, see sheet No. 38

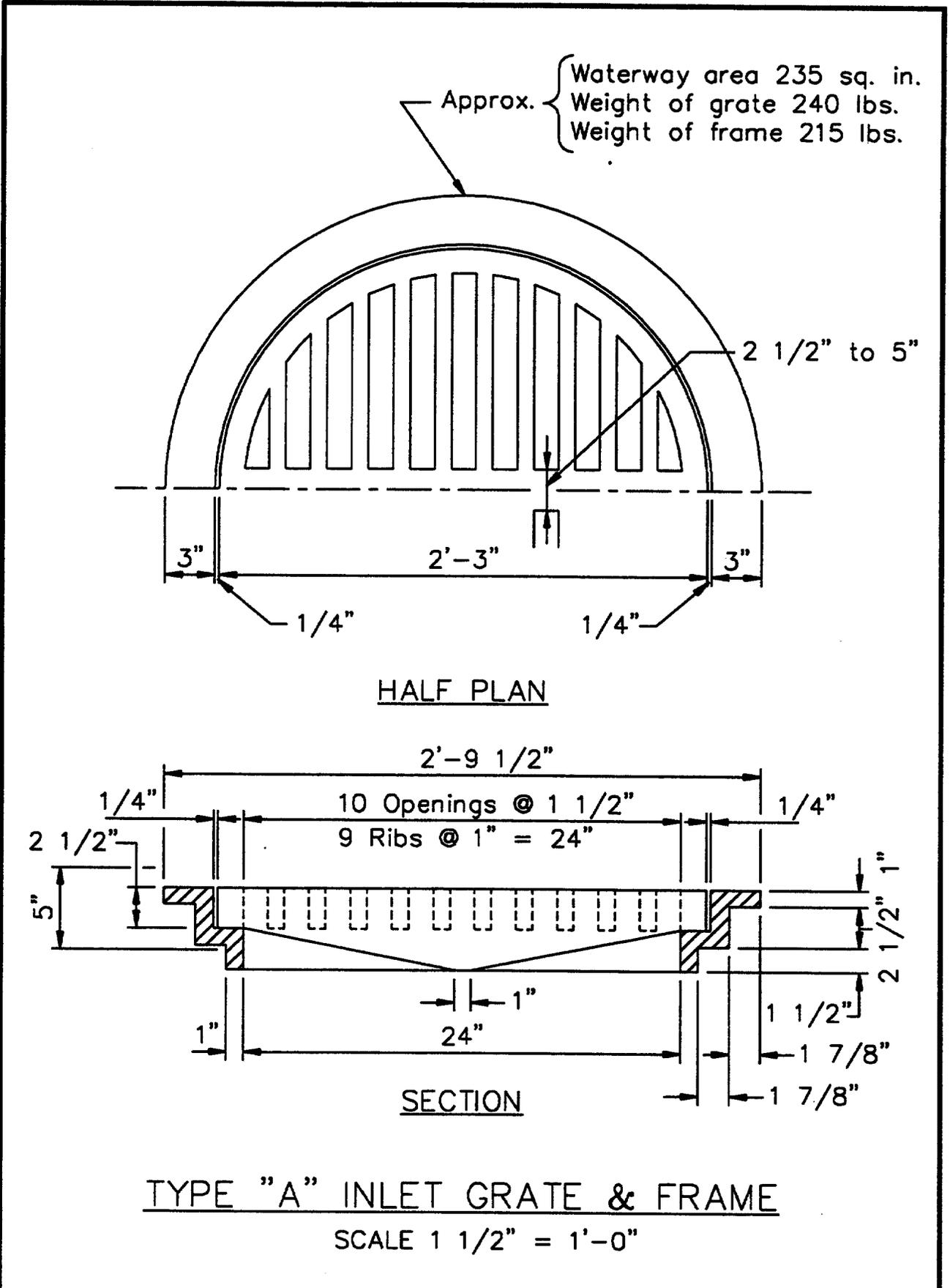


PLAN

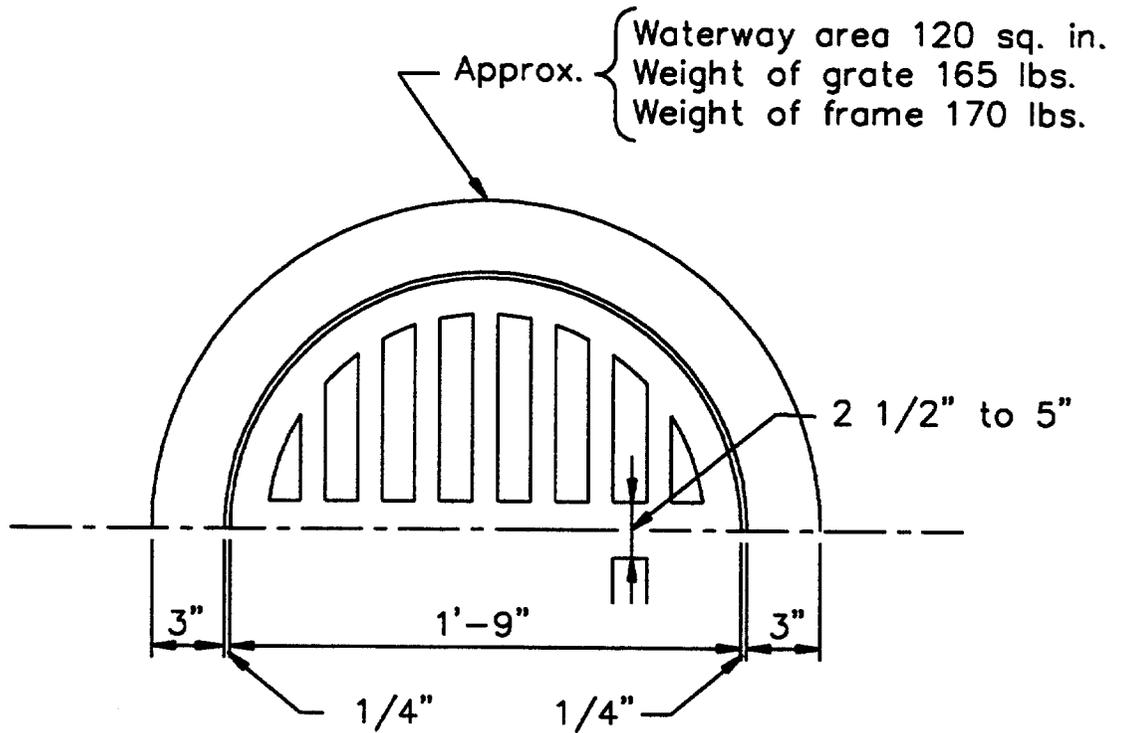
TYPE "D" INLET

SCALE: 3/4" = 1'-0"

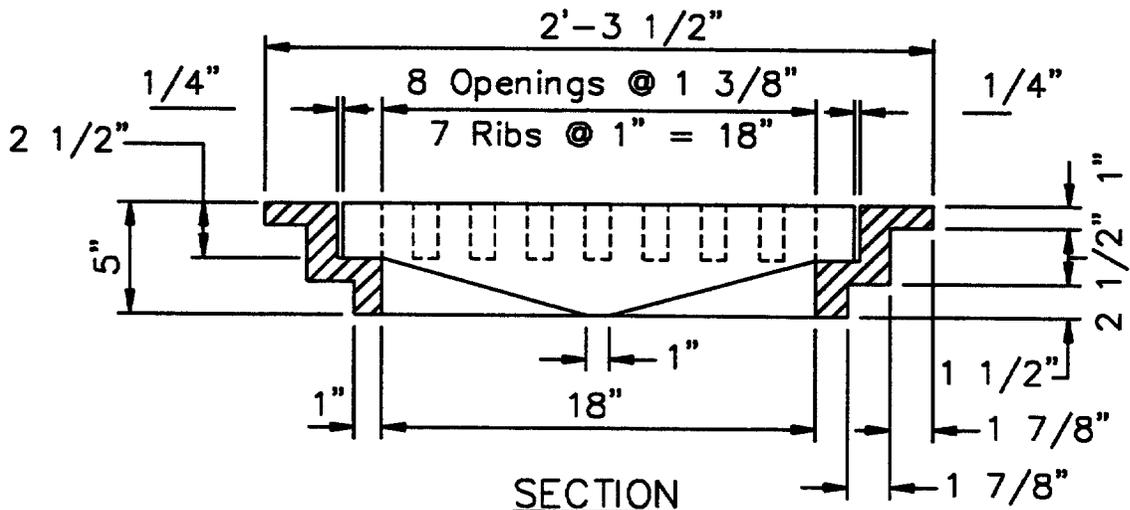
NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



HALF PLAN

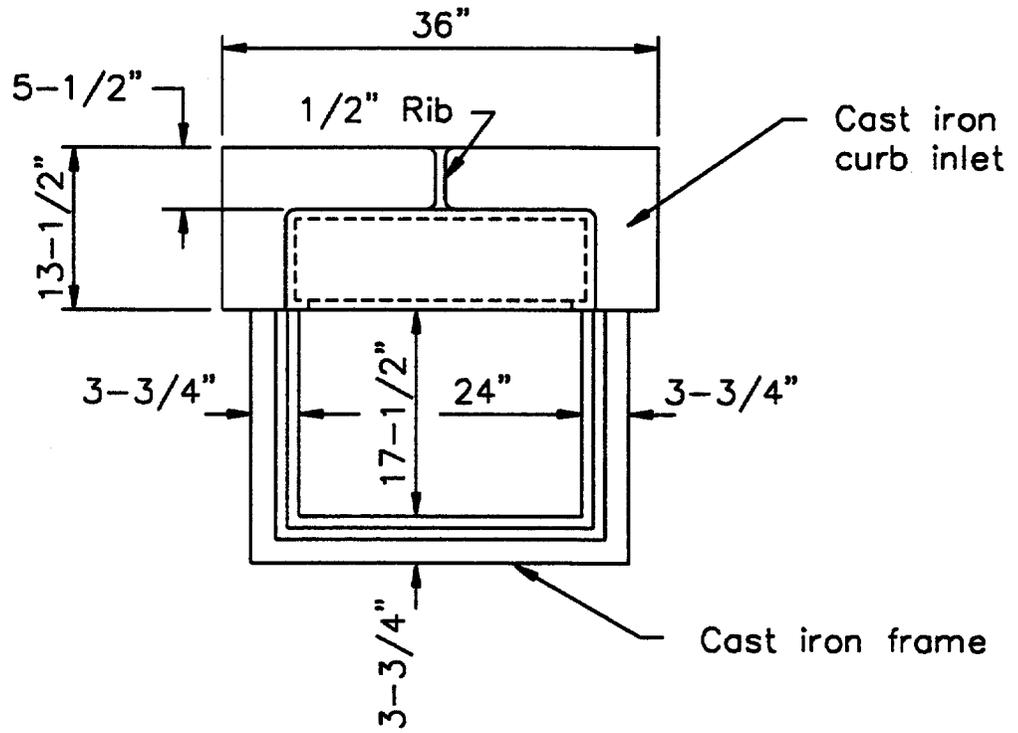


SECTION

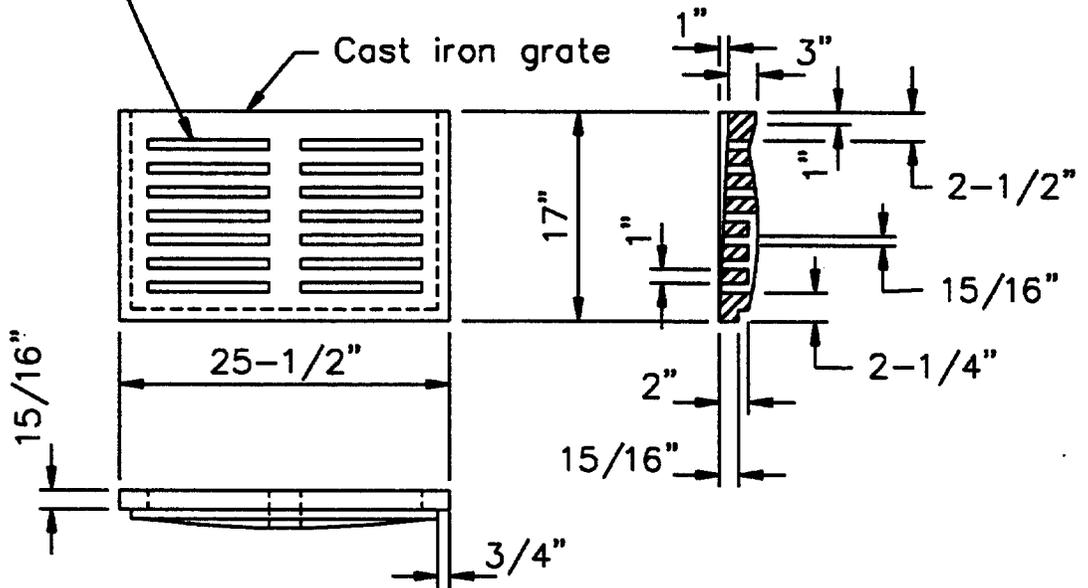
TYPE "B" INLET GRATE & FRAME

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

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



Note: Grate opening req'd is 0.98 sq. ft. min., vary dimensions as req'd.



TYPE "C" INLET GRATE & FRAME

NO SCALE

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.

1/4" x 2" steel bar (galv. with 2 oz. zinc per sq. ft.)
(all lock parts)

1/2" pin

2"

PLAN

1/2" ring (galv.)

1-3/4"

1/4"

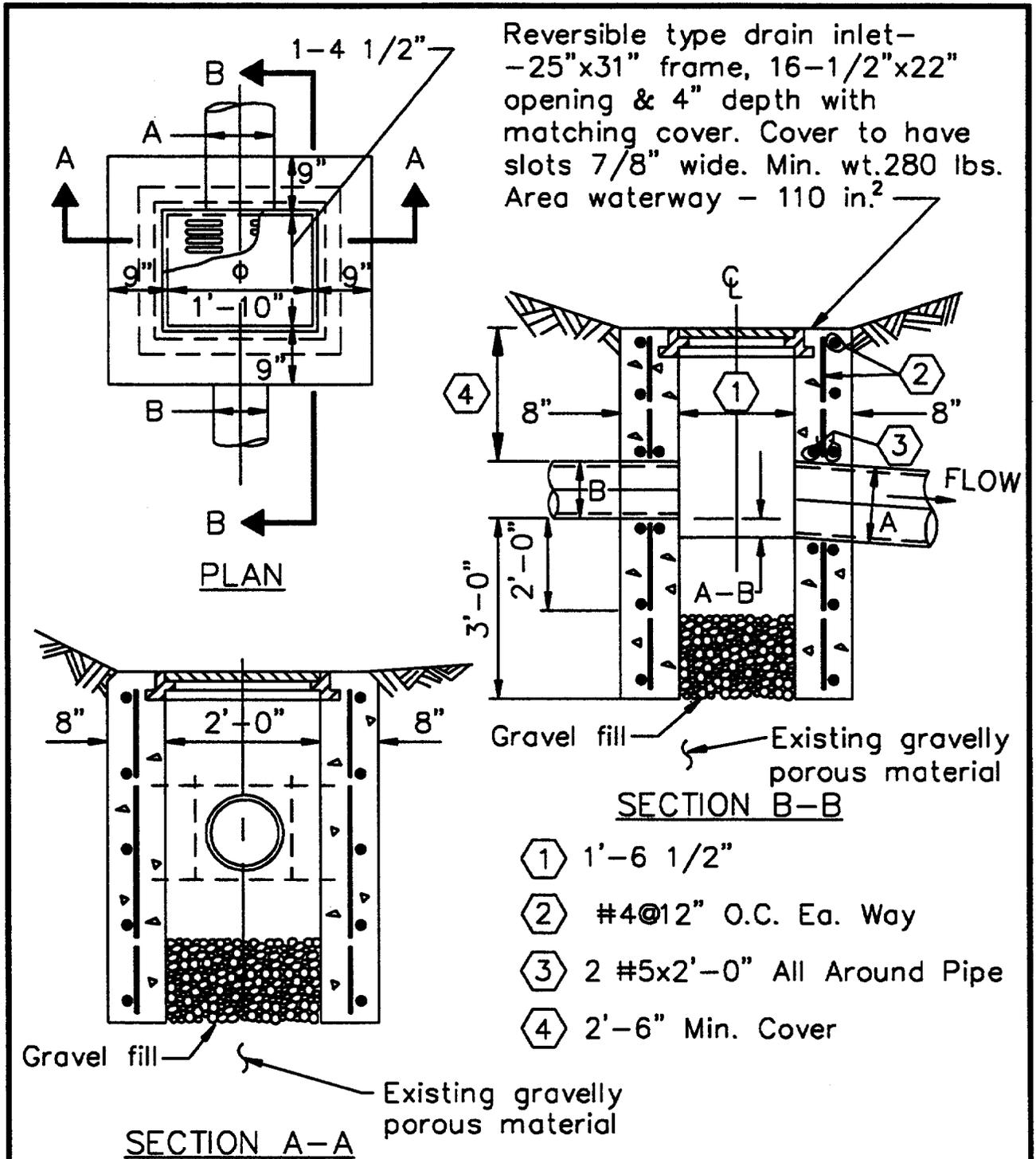
Area inlet frame

4-3/8" x 2" bolts (galv.)

ELEVATION

STEEL STRAP LOCK FOR AREA INLET

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.

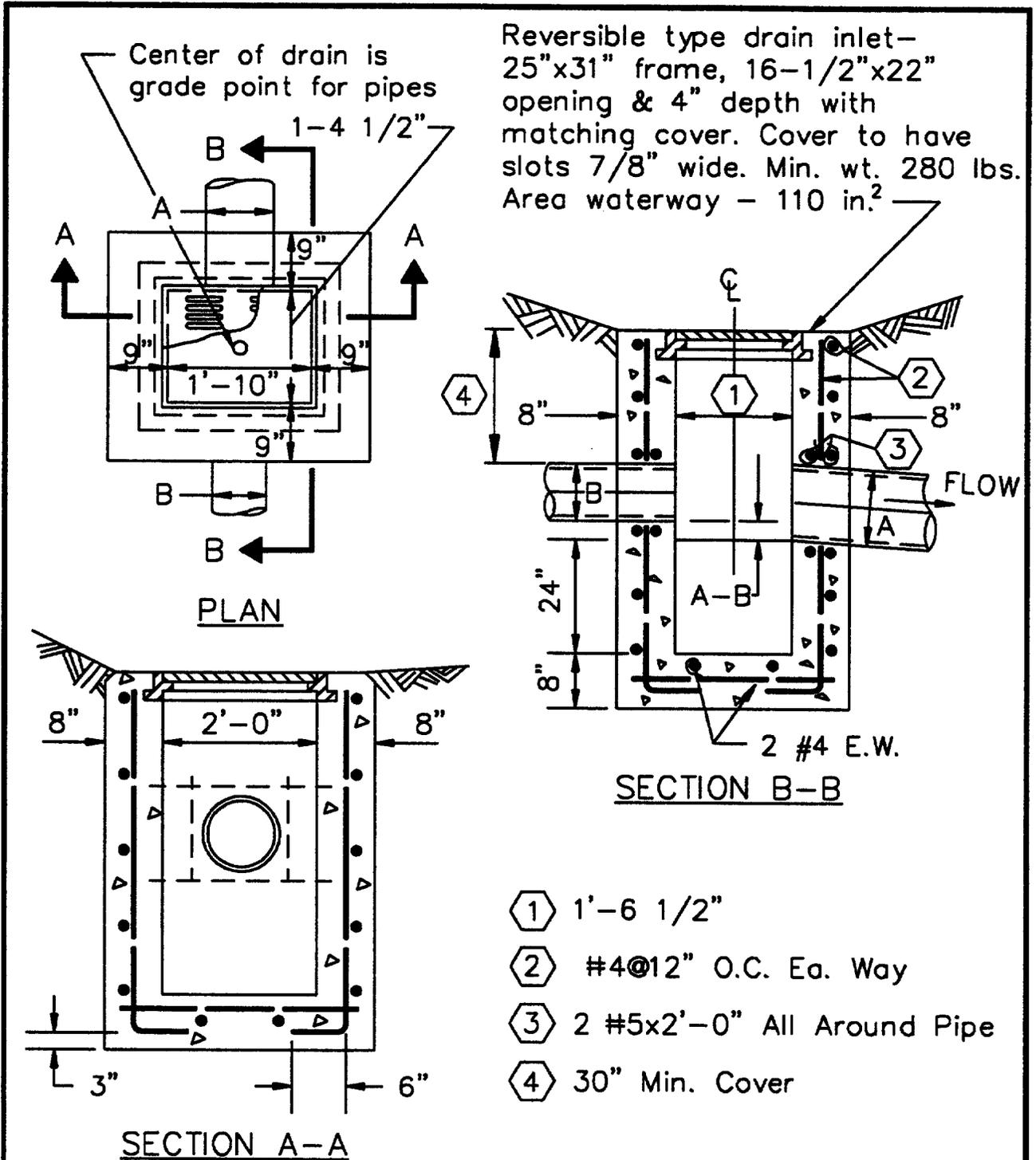


NOTE:

Dimensions of drain inlet may be altered to fit manufacturer's standard frames and covers with same area of waterway and minimum weight, subject to approval of contracting officer.

STORM DRAIN INLET

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



NOTE:

Dimensions of drain inlet may be altered to fit manufacturer's standard frames and covers with same area of waterway and minimum weight, subject to approval of contracting officer.

STORM DRAIN INLET

RAINFALL INTENSITY AT AIR FORCE INSTALLATIONS

(60 MIN. DURATION)
(In./hr.)

AIR FORCE INSTALLATIONS	DESIGN STORM			
	SACRAMENTO DISTRICT	2 YEAR	5 YEAR	10 YEAR
BEALE, CA.	0.5	0.7	0.9	1.1
DAVIS-MONTHAN, AZ.	1.2	1.5	1.9	2.2
EDWARDS, CA.	0.4	0.6	0.7	0.8
GEORGE, CA.	0.5	0.6	0.9	1.0
HILL, UT.	0.5	0.6	0.8	1.0
LUKE, AZ.	0.9	1.3	1.5	1.8
MARCH, CA.	0.6	1.0	1.1	1.4
MATHER, CA.	0.5	0.8	1.0	1.2
McCLELLAN, CA.	0.6	0.8	1.0	1.1
NELLIS, CA.	0.6	0.8	1.0	1.2
NORTON, CA.	0.6	1.0	1.1	1.4
VANDENBERG, CA.	0.6	0.8	1.0	1.2
WILLIAMS, AZ.	0.9	1.3	1.6	1.9
HILL AIR FORCE RANGE, UT.	0.5	0.6	0.7	0.9

RAINFALL INTENSITIES ARE BASED ON NOAA ATLAS 2

RAINFALL INTENSITY AT ARMY INSTALLATIONS

(60 MIN. DURATION)

(In./hr.)

ARMY INSTALLATIONS	DESIGN STORM			
	SACRAMENTO DISTRICT	2 YEAR	5 YEAR	10 YEAR
CAMP ROBERTS, CA.	0.6	0.8	1.0	1.2
DEFENSE DEPOT, OGDEN, UT.	0.5	0.6	0.8	1.0
DEFENSE DEPOT, TRACY, CA.	0.6	0.8	1.0	1.2
DUGWAY PROVING GROUND, UT.	0.5	0.6	0.7	0.8
FORT BAKER, CA.	0.7	0.9	1.1	1.2
FORT BARRY, CA.	0.7	0.9	1.1	1.2
FORT CRONKHITE, CA.	0.7	0.9	1.1	1.2
FORT DOUGLAS, UT.	0.4	0.6	0.7	0.9
FORT HUACHUCA, AZ.	1.2	1.6	1.9	2.3
FORT IRWIN, CA.	0.3	0.4	0.5	0.6
FORT MacARTHUR, CA.	0.7	0.9	1.2	1.4
FORT MASON, CA.	0.7	0.9	1.1	1.2
FORT ORD, CA.	0.6	0.8	1.0	1.2
FORT HUNTER LIGGETT, CA.	0.6	0.8	1.0	1.2
OAKLAND ARMY BASE, CA.	0.5	0.8	1.0	1.1
PRESIDIO OF MONTEREY, CA.	0.6	0.8	1.0	1.2
PRESIDIO OF SAN FRANCISCO, CA.	0.6	0.8	1.0	1.1
RIVERBANK ARMY AMMO PLANT, CA.	0.4	0.6	0.9	1.1
SACRAMENTO ARMY DEPOT, CA.	0.5	0.7	0.9	1.2
SHARPE ARMY DEPOT, CA.	0.4	0.6	0.8	1.0
SIERRA ARMY DEPOT, CA.	0.4	0.6	0.8	0.8
TOOELE ARMY DEPOT, UT.	0.4	0.6	0.7	0.9
WHITE SANDS MISSILE RANGE, UT.	0.5	0.8	1.0	1.2
YUMA PROVING GROUND, AZ.	0.6	1.0	1.5	2.0

RAINFALL INTENSITIES ARE BASED ON NOAA ATLAS 2