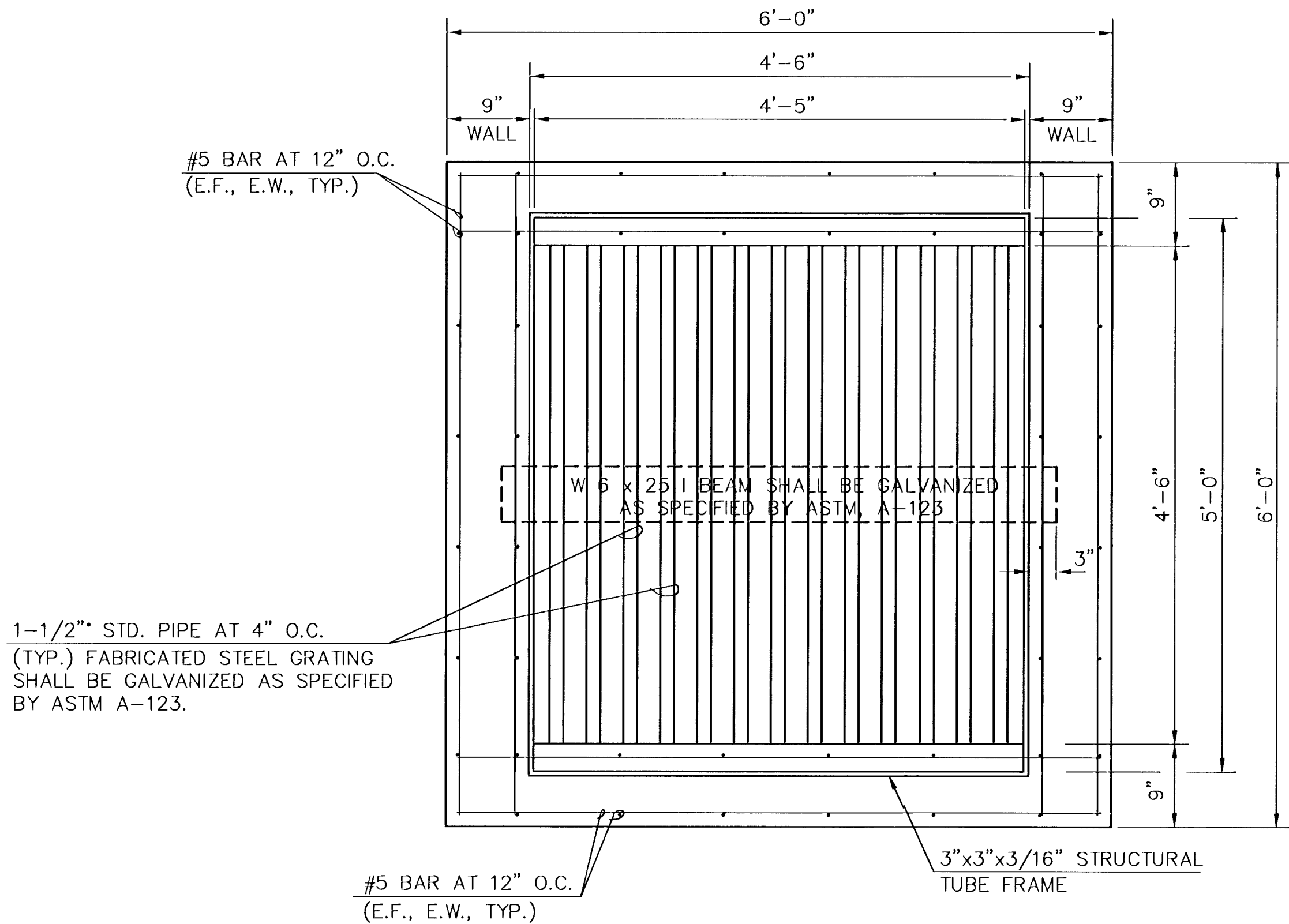
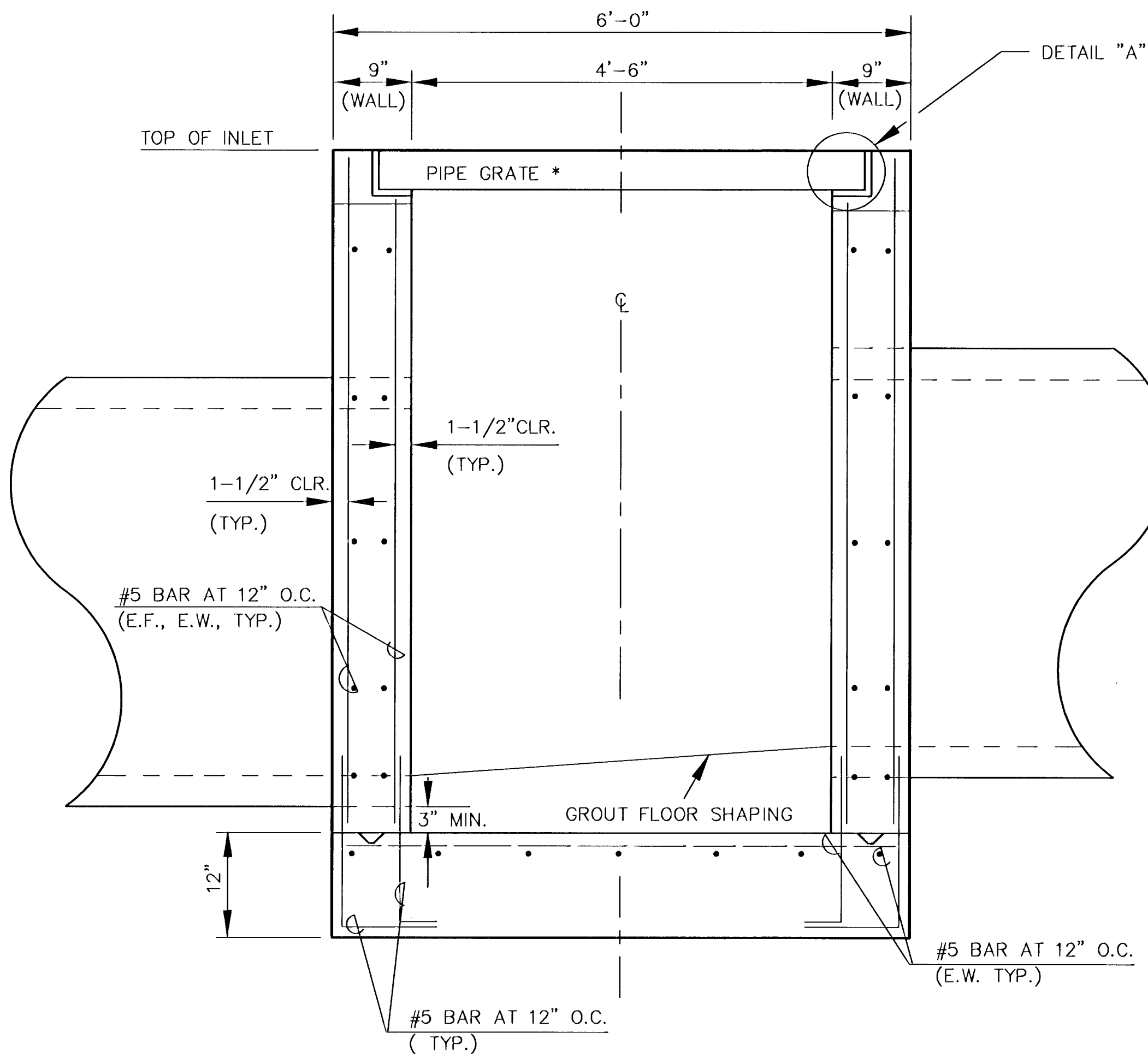


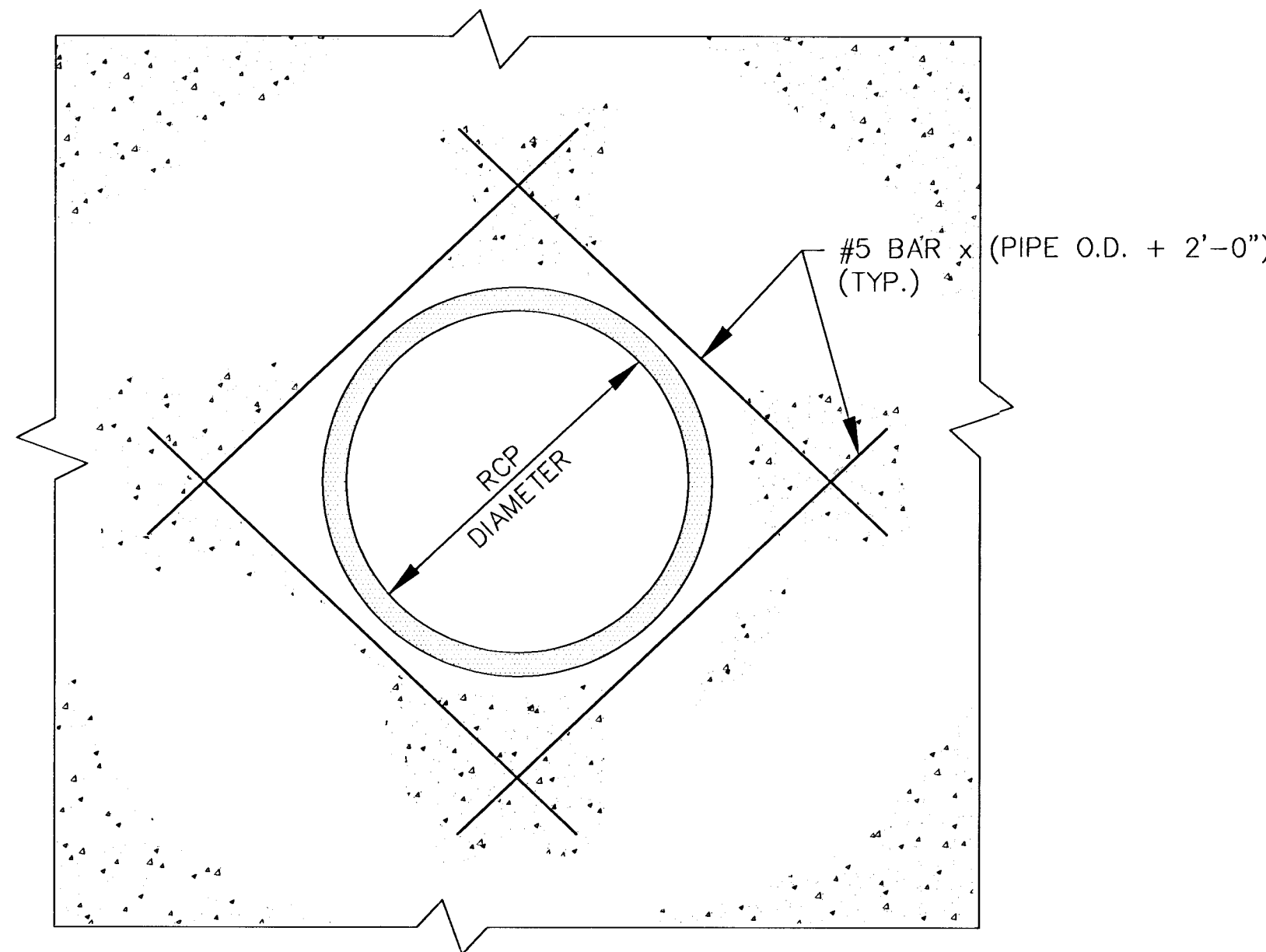


PLAN VIEW



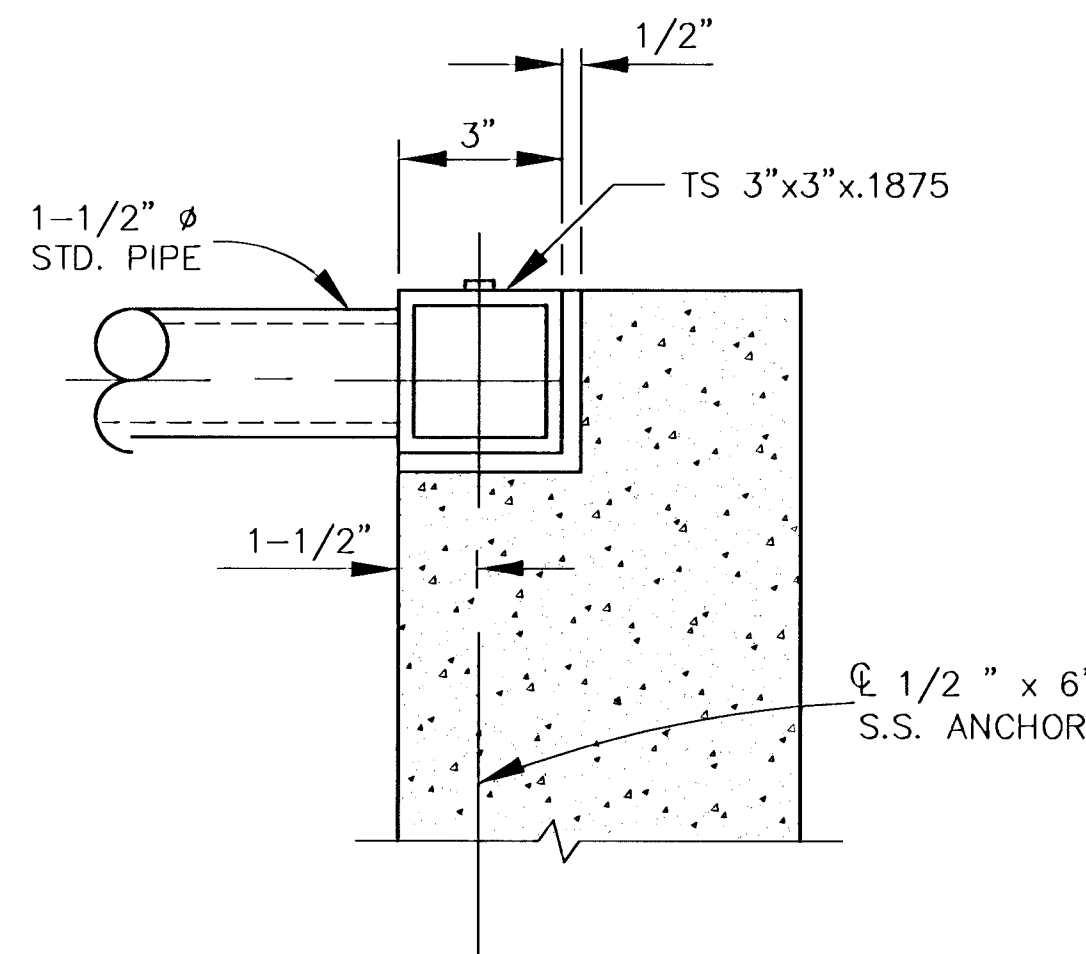
ELEVATION VIEW

REINFORCED CONCRETE AREA INLET



NOTE:
CUT REINFORCING AS REQUIRED TO CLEAR RCP.

TYPICAL REINFORCING AT PIPE



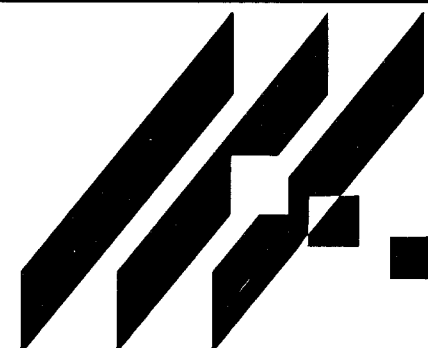
NOTE:
FABRICATED STEEL GRATING SHALL
BE GALVANIZED AS SPECIFIED BY
ASTM A-123.

DETAIL "A"

MATERIAL SPEC'S

- MORTAR - TYPE "M"
BRICK - ASTM C62 GRADE MW
STEEL - ASTM A36 OR EQUIVALENT
GALV. ASTM A-123 STD.
CONCRETE - $F'_c = 4,000$ PSI MINIMUM WITH
6 SACKS OF CEMENT PER
CUBIC YARD MINIMUM.

ORIFICE EQUATION				
$Q = C * A * \sqrt{2gh}$				
h (DEPTH)	2g	C	A	Q
0.5	64.4	0.7	8.625	34.3 cfs
1.0	64.4	0.6	8.625	41.5 cfs
2.0	64.4	0.6	8.625	58.7 cfs
2.0	64.4	0.7	8.625	68.5 cfs
3.0	64.4	0.6	8.625	71.9 cfs
4.0	64.4	0.6	8.625	83.1 cfs
5.0	64.4	0.6	8.625	92.9 cfs
6.0	64.4	0.6	8.625	101.7 cfs
7.0	64.4	0.6	8.625	109.9 cfs
8.0	64.4	0.6	8.625	117.5 cfs



MID-KANSAS ENGINEERING
CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

WILLOWPOINT COURTS THIRD ADD.
PROJECT NAME
REINFORCED CONCRETE AREA INLET
SPECIAL
SHEET TITLE

MKEC
DESIGN BY:

MKEC
DRAWN BY:

MKEC
CHECKED BY:

JUNE2001
DATE

96008DD2
JOB NO.

22 / 32
SHEET/OF