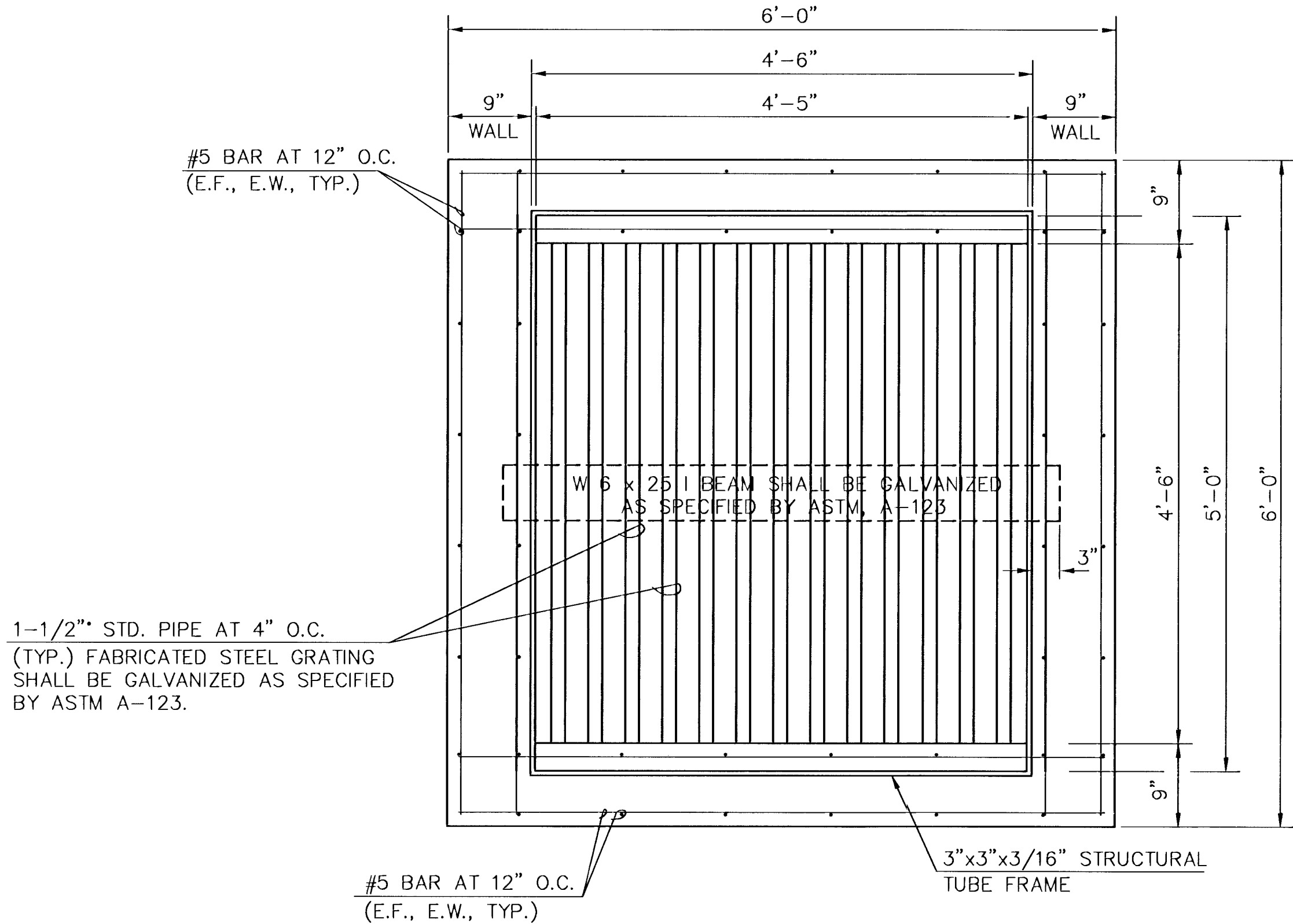
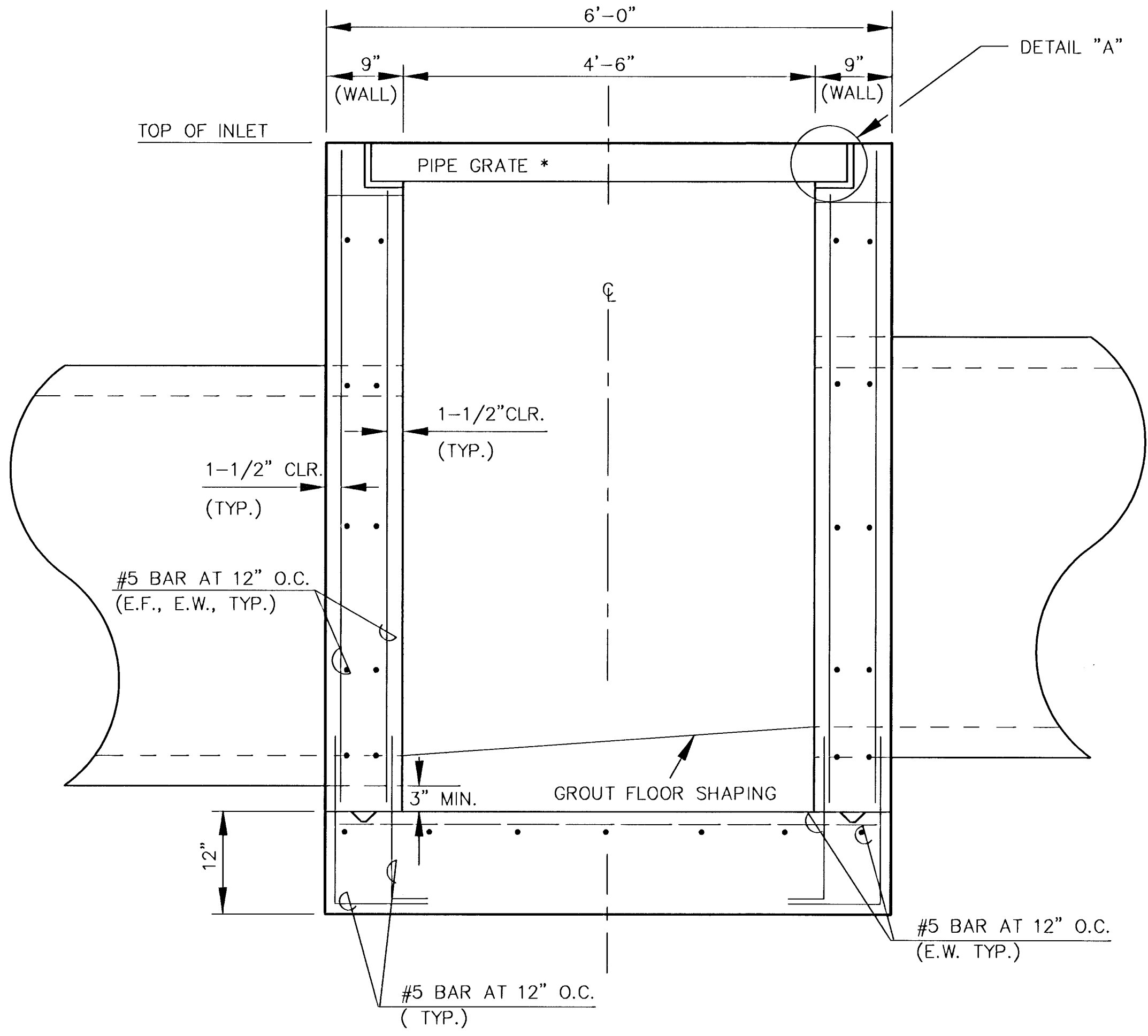


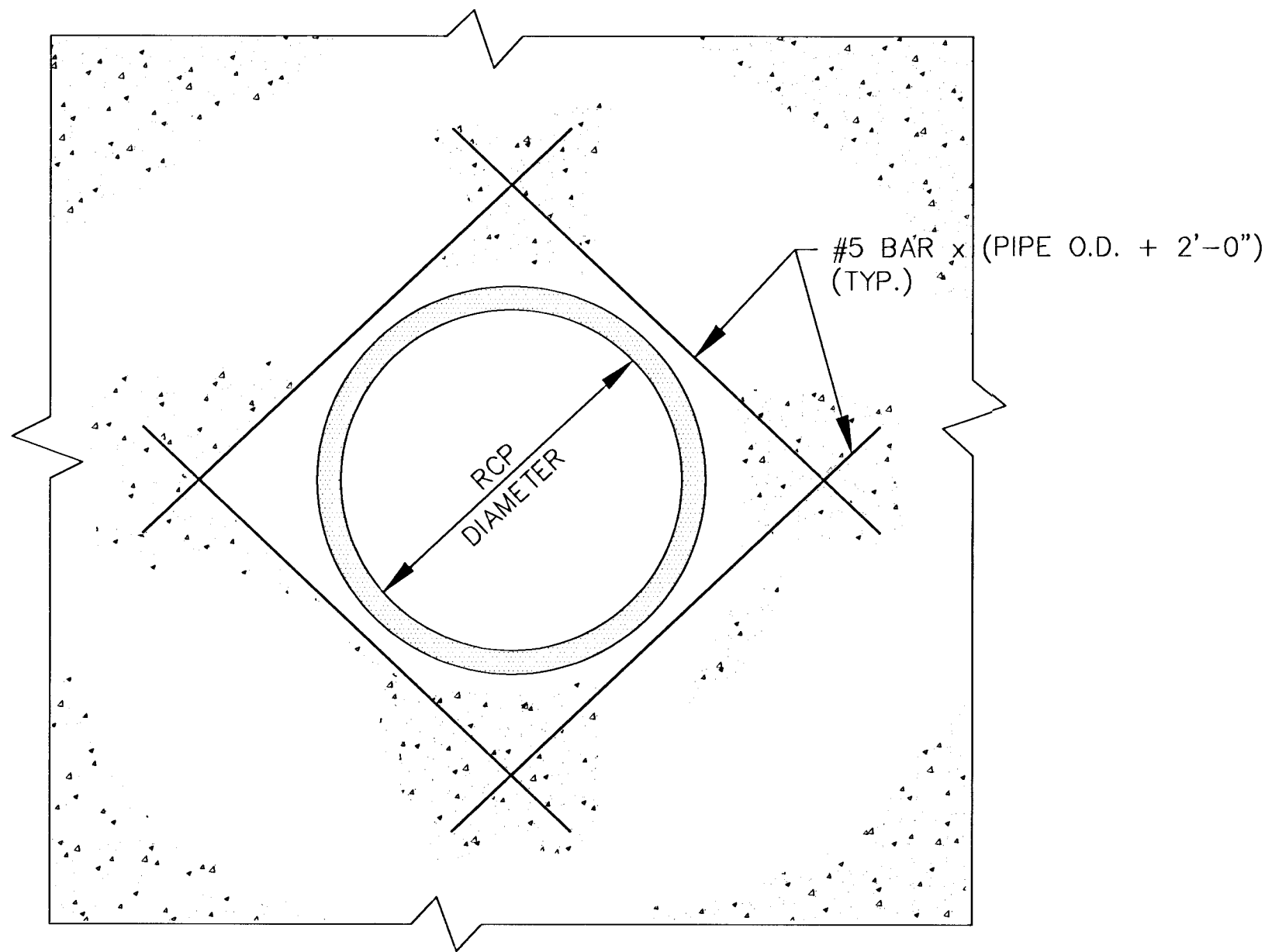


PLAN VIEW



ELEVATION VIEW

REINFORCED CONCRETE AREA INLET

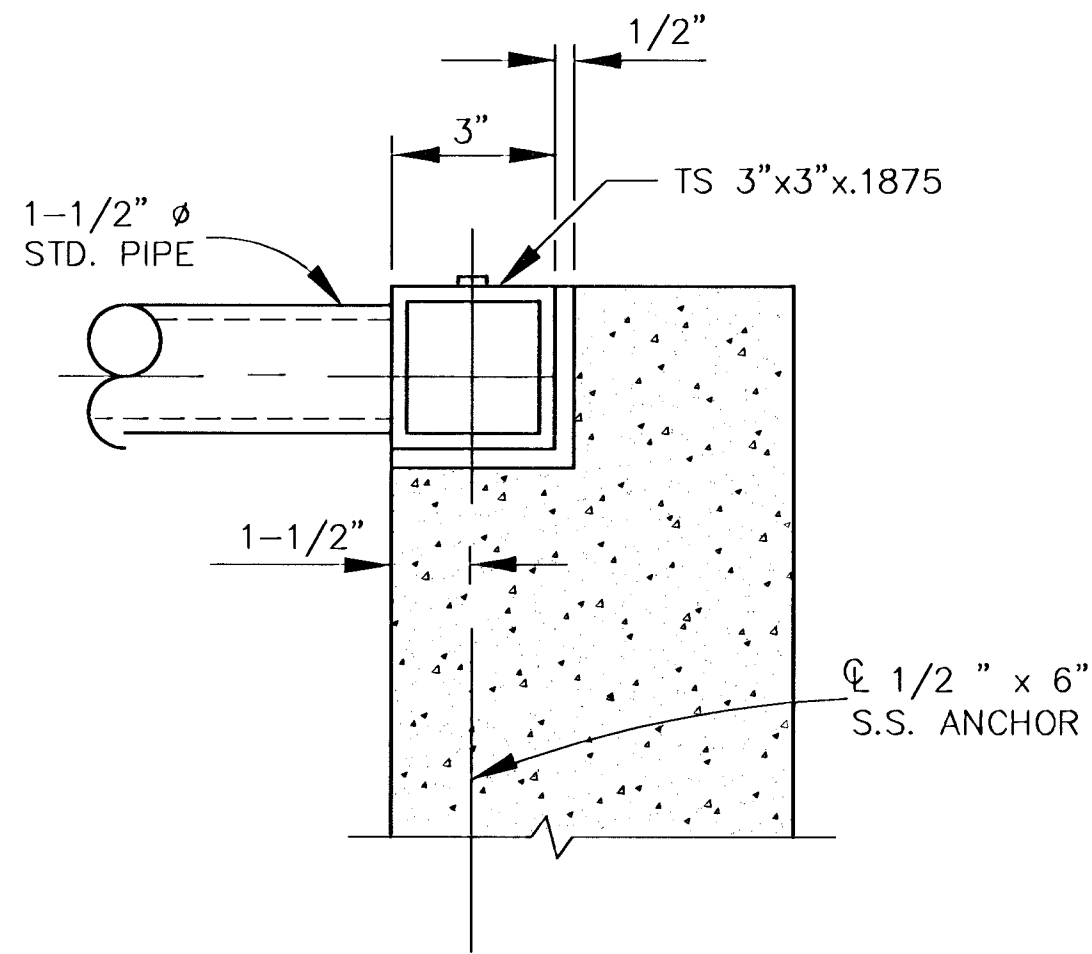


NOTE:
CUT REINFORCING AS REQUIRED TO CLEAR RCP.

TYPICAL REINFORCING AT PIPE

MATERIAL SPEC'S

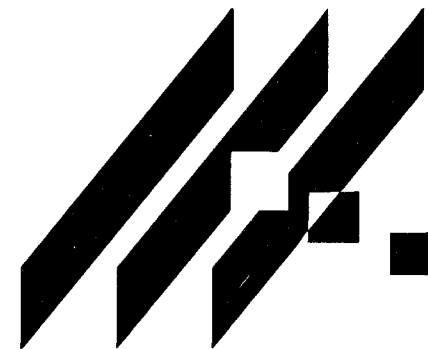
- MORTAR - TYPE "M"
- BRICK - ASTM C62 GRADE MW
- STEEL - ASTM A36 OR EQUIVALENT
- GALV. - ASTM A-123 STD.
- CONCRETE - $F'_c = 4,000$ PSI MINIMUM WITH 6 SACKS OF CEMENT PER CUBIC YARD MINIMUM.



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

DETAIL "A"

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



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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