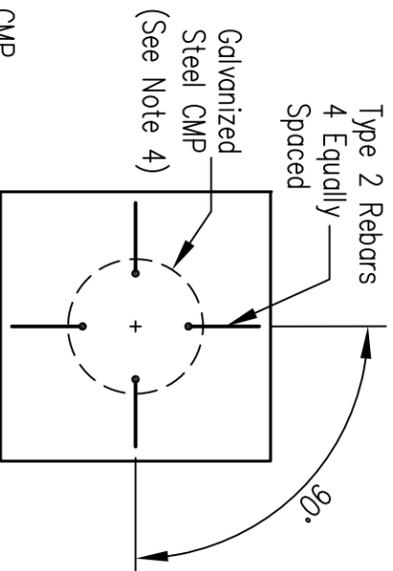
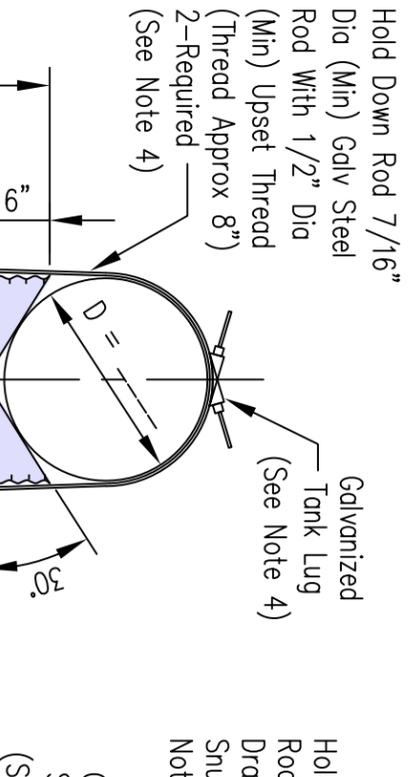


SECTION ON CENTERLINE

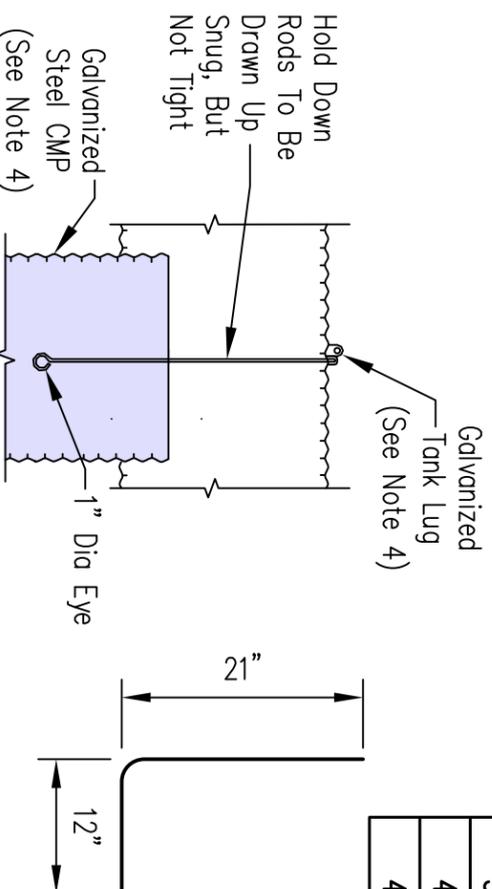


SQUARE CONCRETE BASE PLAN

C. M. Pipe Diameter (Inches)	Volume Of Concrete In Base (Cu Yds)	Volume Of Concrete (Cu Yds / Lin Ft Of Pipe Support Length)	7/16" Diameter Hold Down Rod Length	3/4" Diameter Rod Length
8	0.21	0.01	2'-3"	1'-2"
10	0.23	0.02	2'-6"	1'-4"
12	0.26	0.03	2'-8"	1'-6"
15	0.29	0.05	3'-0"	1'-9"
18	0.33	0.07	3'-4"	2'-0"
21	0.37	0.09	3'-8"	2'-3"
24	0.41	0.12	4'-0"	2'-6"
30	0.49	0.18	4'-8"	3'-0"
36	0.58	0.26	5'-4"	3'-6"
42	0.67	0.36	6'-0"	4'-0"
48	0.76	0.47	6'-7"	4'-6"

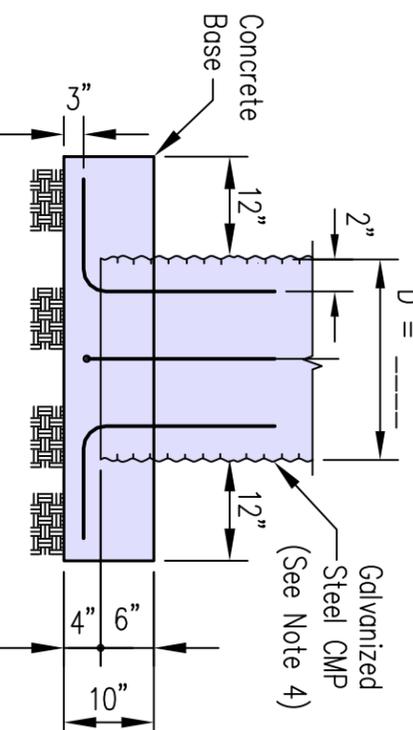


ELEVATION



SIDE ELEVATION

TYPE 2



REINFORCED CONCRETE BASE

- NOTES:
1. Pipe support shall be a minimum height of 4 feet, unless bedrock is encountered. If bedrock is present, install the bottom of the concrete base on the bedrock.
 2. Diameter of the pipe support shall be equal to the diameter of the pipe.
 3. Use four type 2 bars as shown in concrete base extending into pipe support, equally spaced.
 4. If principal spillway conduit is aluminum, pipe support rods and associated hardware shall be aluminum, or measures shall be taken to isolate the aluminum from the steel appurtenances.

BILL OF MATERIALS

1. Galvanized Steel CMP _____ dia, _____ lin. ft. Metal Thickness _____, Gage _____
2. 3/4" Diameter Galvanized Steel Rod _____ feet, threaded 4" on each end with 4 washers and 2 nuts.
3. 7/16" Diameter (min) Galvanized Steel Rod _____ feet, with 1/2" diameter (min) upset thread (thread approx. 8")
4. Galvanized Tank Lug - 1 each
5. Total Concrete _____ cu yds
6. Steel Reinforcement - 4 bars, 6.7 lbs. total

Date	Designed	Drawn	Checked	Approved
1/11		M. QUINONES		

CORRUGATED METAL PIPE SUPPORT



Natural Resources Conservation Service
United States Department of Agriculture

File No. IL ENG-126
Drawing No.