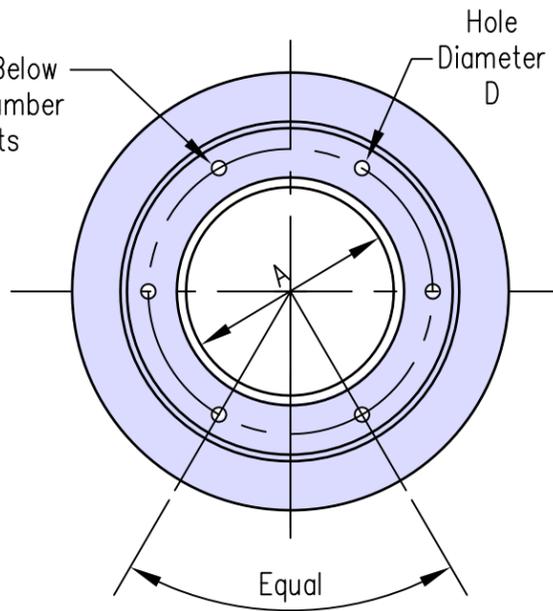
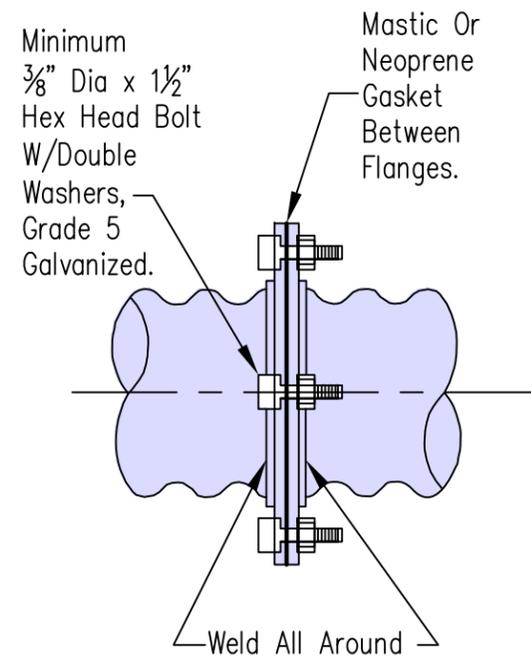


SLOTTED FLANGE DETAIL

See Column C Below For Minimum Number Of Holes Or Slots



FLANGE DETAIL W/HOLES

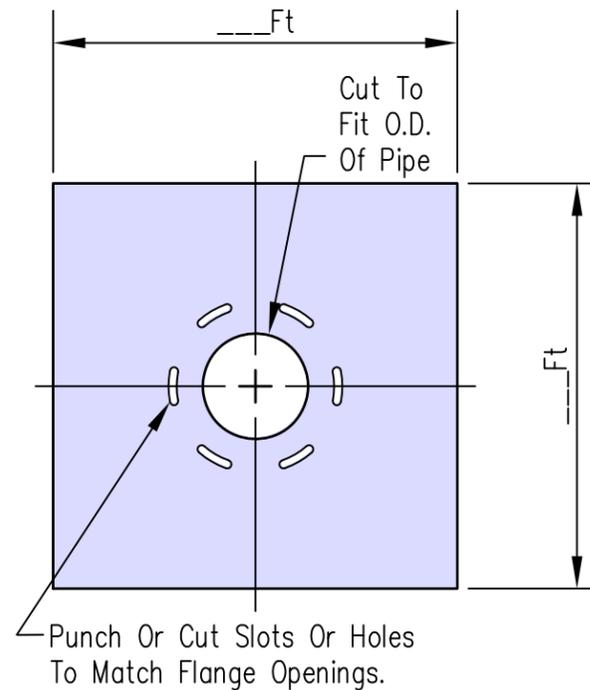
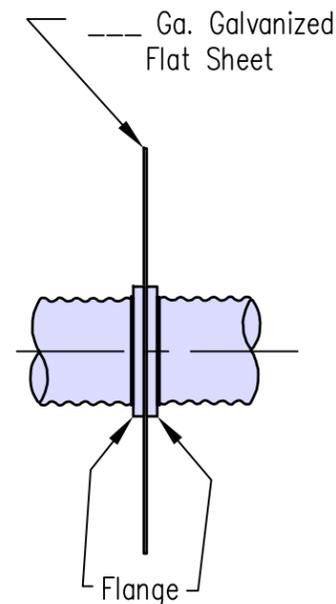


INSTALLATION DETAIL

NOTES:

1. Flange and anti-seep collar must be made of a compatible material to the pipe.
2. Welds must be made with material compatible with the pipe, flange, and anti-seep collar.
3. Anti-Seep collar may have holes or slots and be installed between the flanges with mastic or neoprene gasket on each side of collar. Anti-seep collar may also be welded directly to pipe.
4. All welds must be watertight.
5. Size slot width or hole diameter D to fit bolt diameter.
6. Install bolts with washers and nuts in each slot/hole.

FLANGE DETAILS		
A (Pipe Dia.)	C (Min. No. Of Slots Or Holes)	Flange Size
8"	6 @ 5 ³ / ₁₆ CC	12 gage
12"	8 @ 5 ⁵ / ₈ CC	12 gage
15"	6 @ 6 ⁵ / ₈ CC	1 ¹ / ₂ x 1 ¹ / ₂ x 1/8
18"	8 @ 7 ¹³ / ₁₆ CC	1 ¹ / ₂ x 1 ¹ / ₂ x 1/8
24"	12 @ 6 ¹³ / ₁₆ CC	2 x 2 x 3/16
30"	12 @ 8 ³ / ₈ CC	2 x 2 x 3/16
36"	16 @ 7 ¹ / ₂ CC	2 x 2 x 1/4
42"	18 @ 7 ¹ / ₁₆ CC	2 x 2 x 1/4
48"	20 @ 7 ⁷ / ₈ CC	2 x 2 x 1/4
54"	20 @ 9 ³ / ₃₂ CC	2 x 2 x 1/4
60"	21 @ 9 ⁹ / ₁₆ CC	2 x 2 x 1/4



ANTI-SEEP COLLAR DETAILS

Date	4/1/16
Designed	M. QUINONES
Drawn	
Checked	
Approved	

FLANGED METAL PIPE AND ANTI-SEEP COLLAR DETAIL

United States Department of Agriculture
USDA
 Natural Resources Conservation Service