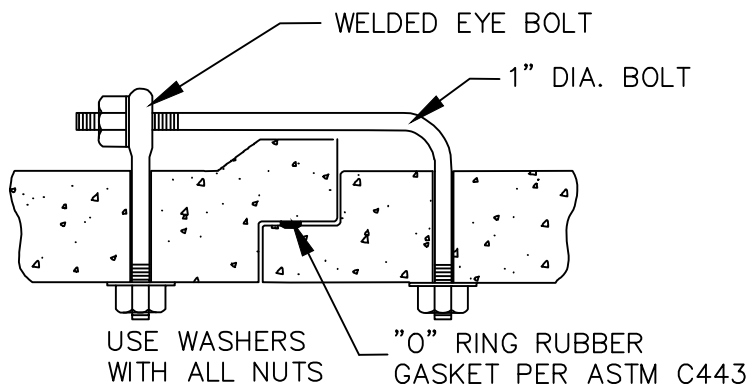


TRASH GUARD SIZING

PIPE SIZE (IN.)	BOLT DIAMETER (IN.)	BARS (IN.)	H (IN.)
15	5/8	3/4	4
18	5/8	3/4	4
21	3/4	1	6
24	3/4	1	6
27	3/4	1	6
30	3/4	1	6
36	3/4	1	6
42	3/4	1	6
48	1	1 1/4	12



TIE BOLT & FASTENER ASSEMBLY

- NOTES:
1. USE TWO TIE BOLT FASTENERS PER JOINT INSTALLED AT 60 DEGREES FROM TOP OF PIPE.
 2. LAST THREE JOINTS SHALL BE TIED.
 3. TYING AND TRASH GUARD SHALL BE INCLUDED IN THE UNIT PRICE BID FOR APRON SECTION.
 4. BARS AND PLATES ARE HOT-ROLLED STEEL.
 5. BARS, PLATES, PIPE AND BOLTS ARE GALVANIZED.
 6. MARKING POSTS SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR.