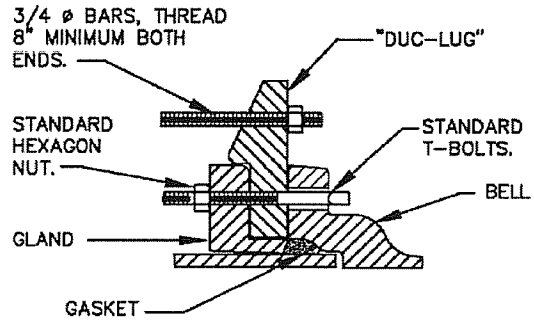
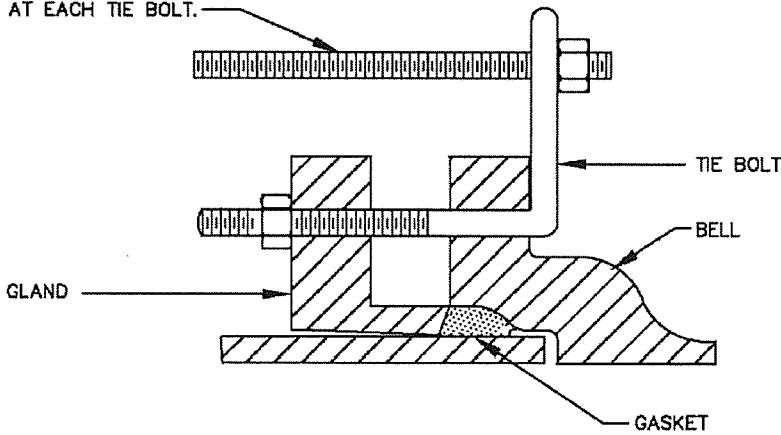


PLAN



**CROSS SECTION
DUC-LUG ASSEMBLY**

EQUALLY SPACED 3/4" ϕ BARS, THREAD 8" MINIMUM BOTH ENDS AT EACH TIE BOLT.



**CROSS SECTION BOLT
ASSEMBLY**

NO. OF TIE BOLTS PER JOINT.

PIPE SIZE	TIE BOLT SIZE	NUMBER OF BOLT REQUIRED
3	5/8"	2
4	3/4"	2
6	3/4"	2
8	3/4"	2
10	3/4"	4
12	3/4"	6
14	3/4"	6
16	3/4"	8
18	3/4"	10
20	3/4"	12
24	3/4"	16
30	3/4"	20

NOTES:

1. USE DUCTILE IRON MECHANICAL JOINT FITTINGS ONLY.
2. COAT BARS AND APPURTENANCES WITH FIELD APPLIED COATING, SEE SPECIFICATIONS.
3. IF WORKING PLUS SURGE PRESSURES ARE HIGHER THAN 250 PSI, SPECIAL DESIGN IS REQUIRED.
4. USE DUC-LUG ONLY WHEN VALVE BODY BELL HAS SLOTTED HOLES. TIGHTEN ALL JOINT T AND TIE BOLTS. THEN CHECK DUC-LUGS. LUGS MUST BE LOOSE, IF TIGHT REPLACE DUC-LUG.

STANDARD DETAIL
ALTERNATE METHOD
OF STRAPPING VALVE
TO MAIN WITH TIE BOLTS

WASHINGTON TOWNSHIP MUNICIPAL AUTHORITY

DATE	REVISIONS
SCALE NO SCALE	DWG. NO. P-3