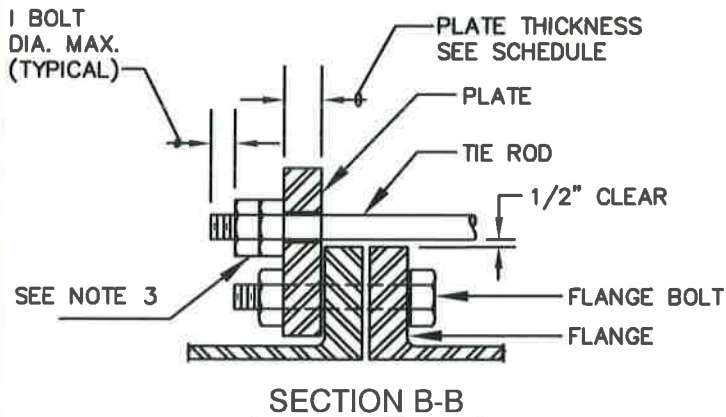


**STRAPPING HARNESS DETAIL**



PIPE DIA.	MAXIMUM OPERATING PRESSURE	NO. OF RODS	DIA. OF RODS IN	PLATE THICKNESS
4"	125	2	3/4"	3/4"
	250	2	3/4"	3/4"
6"	125	2	3/4"	3/4"
	250	2	3/4"	3/4"
8"	125	2	7/8"	1"
	250	2	7/8"	1 1/8"
10"	125	2	7/8"	1 1/8"
	250	3	7/8"	1 1/8"
12"	125	3	7/8"	1 1/8"
	250	4	7/8"	1 1/8"
14"	125	4	7/8"	1 1/4"
	250	4	1"	1 1/4"
16"	125	4	1"	1 1/4"
	250	4	1 1/8"	1 1/2"
18"	125	4	1"	1 1/2"
	250	6	1"	1 1/2"
20"	125	4	1"	1 1/2"
	250	6	1 1/8"	1 1/2"
24"	125	6	1"	1 1/2"
	250	6	1 1/8"	1 3/4"
30"	125	7	1 1/8"	1 3/4"
	250	7	1 1/2"	2"

**NOTES:**

1. SEE DRAWINGS FOR MAXIMUM PIPE THRUST.
2. SEE SPECIFICATIONS FOR APPROVED MANUFACTURER'S OF HARNESS LUGS AND TIE RODS.
3. MINIMUM TIE ROD MATERIAL; STAINLESS STEEL ASTM A193 B8 (304) OR B8M (316).
4. LUG MATERIAL ASTM A240 TYPE 304 OR 316.
5. INSIDE NUT TO BE HAND TIGHTENED, AND TWO NUTS SHALL BE TIGHTENED AGAINST EACH OTHER.
6. STRAPPING DESIGN SHALL INCLUDE SURGE PRESSURE ADDED TO OPERATING PRESSURE.
7. WHEN THE STRAPPING ASSEMBLY IS LOCATED NEAR THE FLANGE VALVE, PROVIDE 12-INCH MINIMUM LENGTH FLANGED BY FLANGED SPOOL PIECE BETWEEN THE VALVE AND ASSEMBLY TO AVOID STRAPPING DIRECTLY TO THE VALVE.

WASHINGTON  
SUBURBAN  
SANITARY  
COMMISSION

APPROVED: 8/12/16  
  
Chief Engineer

STANDARD DETAIL  
METHOD OF STRAPPING  
MECHANICAL COUPLING  
IN VAULTS AND FACILITIES

B  
3.0