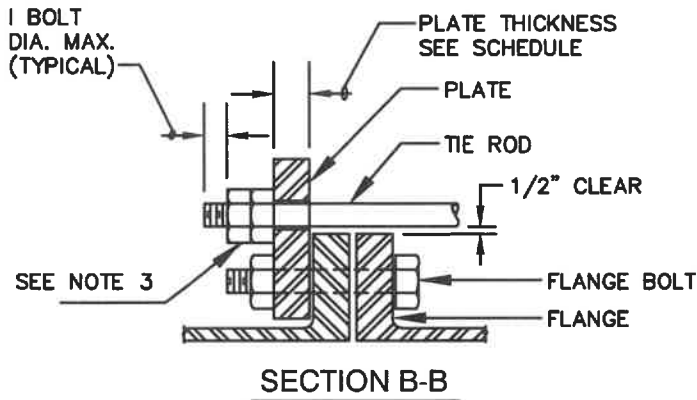


STRAPPING HARNESS DETAIL



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:

- SEE DRAWINGS FOR MAXIMUM PIPE THRUST.
- SEE SPECIFICATIONS FOR APPROVED MANUFACTURER'S OF HARNESS LUGS AND TIE RODS.
- MINIMUM TIE ROD MATERIAL; STAINLESS STEEL ASTM A193 B8 (304) OR B8M (316).
- LUG MATERIAL ASTM A240 TYPE 304 OR 316.
- INSIDE NUT TO BE HAND TIGHTENED, AND TWO NUTS SHALL BE TIGHTENED AGAINST EACH OTHER.
- STRAPPING DESIGN SHALL INCLUDE SURGE PRESSURE ADDED TO OPERATING PRESSURE.
- 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: 7-26-21
Mike Harmon
Chief Engineer

STANDARD DETAIL
METHOD OF STRAPPING
MECHANICAL COUPLING
IN VAULTS AND FACILITIES

B
3.0