



PRESSURE AT 150 P.S.I.		
PIPE SIZE	ROD DIAMETER	No. OF RODS
8" & SMALLER	3/4"	3
12"	3/4"	4
16"	3/4"	6
20"	3/4"	8
24"	3/4"	12
30"	1"	14
36"	1"	14
42"	1- 1/4"	16
48"	1- 1/4"	16

NOTES:

1. EYE BOLT REPLACES GLAND BOLT AT TIE ROD LOCATIONS.
2. IN LIEU OF BELL/ROD RESTRAINTS, MECHANICAL JOINT RESTRAINTS MAY BE USED

ITEM	CROSS REF.	SPEC. REF.



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STANDARD DETAIL
TYPICAL TIE-ROD
DETAILS

GS
1.0
SHEET 1 OF 1