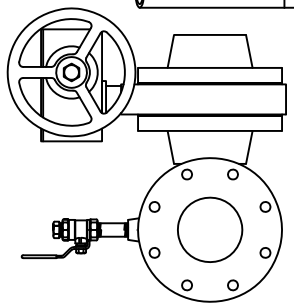


SIZE	REGULATOR SIZE & TYPE	"A"	"B"
2"	SCHLUMBERGER B-34-IMR	5 3/4"	13"
2"	SCHLUMBERGER B-838-IMR	8 7/8"	9 7/8"
2"	SCHLUMBERGER CL-34-2-IM	5 3/4"	13"
2"	SCHLUMBERGER CL-38-2-IM	7 1/2"	11 1/4"
2"	SCHLUMBERGER CL-838-2-IM	8 7/8"	9 7/8"

THE STANDARD DRAWING DEPICTED HERE HAS BEEN DESIGNED IN ACCORDANCE WITH USDOT PIPELINE SAFETY STANDARDS SET FORTH AT 49 CFR PART 192, AND THE REQUIREMENTS OF NFPA 54. DEVIATION FROM THIS DRAWING, EITHER IN MATERIALS OR SPECIFICATIONS, WITHOUT THE WRITTEN APPROVAL OF THE NISOURCE INC. DESIGN ENGINEER IS NOT AUTHORIZED, AND NISOURCE, INC. WILL NOT BE HELD ACCOUNTABLE FOR THE IMPROPER OPERATION OF THE FACILITY. A QUALIFIED PLUMBER, OTHER INSTALLER OR THE MANUFACTURER SHOULD BE CONSULTED FOR PROPER INSTALLATION AND/OR TESTING OF THIS FACILITY, AND NEITHER NISOURCE, INC. NOR ANY AFFILIATE OR SUBSIDIARY OF NISOURCE, INC. SHALL BE RESPONSIBLE FOR THE INSTALLATION AND/OR TESTING OF THE FACILITY.

Note:
IN KENTUCKY, THE COMPANY WILL INSTALL THE RISER



SECTION A-A

	DRAWING TITLE			
	2" X 4" SETTING WITH 2" REGULATOR AND 4" METER			
	DRAWN L.HARTLEY-CLARK	DATE 10-18-04	DRAWING NO. PLMB-0008	
CHECKED	DATE	SHEET NO. 1 of 2		

ITEM	QTY.	SIZE	BILL OF MATERIAL
1	1	4"	METER, ROTARY, TO BE PROVIDED BY COLUMBIA GAS
2	1	2"	REGULATOR, INTERNAL MONITOR, TO BE PROVIDED BY COLUMBIA GAS
3	1	1/2"	VALVE, BALL, SCREW, CARBON STEEL, ONE PIECE BODY, 2000# W.P.
4	1	1"	VALVE, METER STOP, SCREWED BODY, LOCKWING, USE ONLY APPROVED MANUFACTURERS
5	2	2"	VALVE, METER STOP, SCREWED BODY, LOCKWING, USE ONLY APPROVED MANUFACTURERS
6	1	4"	VALVE, BUTTERFLY, USE ONLY APPROVED MANUFACTURERS
7	1	2"	BRACKET, SETTING SUPPORT, FABRICATED OR PURCHASED
8	1	4"	BRACKET, SETTING SUPPORT, FABRICATED OR PURCHASED
9	1	4"	ELL, WELDING, 90 DEG., L.R., GRADE B, 0.237" WALL
10	1	4" X 2"	ELL, REDUCING, WELDING, 90 DEG., L.R., GRADE B, 0.237" X 0.154" WALL
11	7	4"	FLANGE, WELD NECK, ANSI 150, FLAT FACED, 0.237" WALL, 4.026" BORE
--	16	5/8" X 1 3/4"	-- CAP SCREW, ASTM A-307, GRADE B, HEX. HEAD (INSTALL ON METER)
--	16	5/8" X 3"	-- BOLT, MACHINE, ASTM A-307, GRADE B, HEX. HEAD WITH HEAVY HEX HEAD NUT
--	8	5/8" X 6 1/2"	-- BOLT, STUD, ASTM A-193, GRADE B7, WITH TWO HEAVY HEX HEAD NUTS
--	4	4"	-- GASKET, RING TYPE, 1/16" THICK, I.D.=4 1/2" X O.D.=6 7/8", ANSI 150
12	1	4"	INSULATING KIT, ANSI 150, NEOPRENE FACED, MYLAR SLEEVES, TYPE "FNSW"
13	1	1/2" X 3"	NIPPLE, PIPE, STEEL, GRADE B, EX. HEAVY, THREAD BOTH ENDS
14	1	1" X 3"	NIPPLE, PIPE, STEEL, GRADE B, EX. HEAVY, THREAD BOTH ENDS
15	2	2" X 4"	NIPPLE, PIPE, STEEL, GRADE B, THREAD BOTH ENDS
16	1 FT.	2"	PIPE, P.E., STEEL, ERW, GRADE B, 0.154" WALL, CUT AND THREAD TO SUIT
17	3 FT.	4"	PIPE, P.E., STEEL, ERW, GRADE B, 0.237" WALL
18	1	1/2"	PLUG, STEEL, HEX HEAD, 3000#
19	1	1"	PLUG, SQUARE HEAD, MALLEABLE IRON, CLASS 150, DRILL FOR WIRE SEAL
20	1	2"	PLUG, SQUARE HEAD, MALLEABLE IRON, CLASS 150, DRILL FOR WIRE SEAL
21	1	2"	RISER, APPROVED ANODELESS, STUB OR ENCASED OR FLEX CASING PRE-BENT STEEL
22	1	2"	RISER BRACKET
23	1	4"	STRAINER, Y-TYPE, 200# W.P., MFG. MUELLER, TO BE PROVIDED BY COLUMBIA GAS
24	1	2" X 1"	TEE, REDUCING, THREADED, MALLEABLE IRON, CLASS 150
25	1	4"	TEE, STRAIGHT, WELDING, GRADE B, 0.237" WALL
26	1	1/2"	THREDOLET, STEEL, 3000#
27	1	2"	UNION, INSULATED, MALLEABLE IRON, STANDARD, CLASS 150
28	1	4" X 2"	REDUCER, WELDING, CONCENTRIC, GRADE B, 0.237" X 0.154" WALL

NOTES

1. REFER TO COLUMBIA GAS STANDARDS FOR CUSTOMER SERVICE LINES, METERS, AND SERVICE REGULATORS (PLUMBER'S GUIDE) FOR PROPER METER SET INSTALLATION INSTRUCTIONS.
2. APPROVED METER SUPPORT MUST BE USED.
3. IF THE SERVICE LINE IS STEEL, CONTACT COLUMBIA GAS PERSONNEL FOR SPECIFIC INSTALLATION INSTRUCTIONS.
4. PREFABRICATED RISERS AND BRACKETS MUST BE INSTALLED AND SECURED ACCORDING TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. THERE MUST BE A MINIMUM DISTANCE OF 12" BETWEEN THE SETTING AND BUILDING AND A MINIMUM OF 18" BETWEEN THE METER AND ANY OTHER OBSTRUCTIONS.
6. THE METER MUST BE INSTALLED IN A LEVEL POSITION.
7. NO SCREW FITTINGS ARE TO BE USED BELOW GROUND.

DRAWN L.HARTLEY-CLARK	DATE 10-18-04	DRAWING NO. PLMB-0008	ISSUE NO.
CHECKED	DATE	SHEET NO. 2 OF 2	