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SECTION A-A

Note:  
IN KENTUCKY, THE COMPANY WILL INSTALL THE RISER

	DRAWING TITLE 2" X 4" SETTING WITH 2" X 4" REGULATOR AND 4" METER			
	DRAWN L.HARTLEY-CLARK	DATE 10-18-04	DRAWING NO. PLMB-0009	ISSUE NO.
	CHECKED	DATE	SHEET NO. 1 of 2	6

ITEM	QTY.	SIZE	BILL OF MATERIAL
1	1	4"	METER, ROTARY, TO BE PROVIDED BY COLUMBIA GAS
2	1	2" X 4"	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	2	4"	ELL, WELDING, 90 DEG., L.R., GRADE B, 0.237" WALL
10	1	2"	FLANGE, THREADED, FLAT FACED, ANSI 150
--	4	5/8" X 2 3/4"	-- BOLT, MACHINE, ASTM A-307, GRADE B, WITH (1) HVY. HEX. NUT (FOR REGULATOR)
--	1	2"	-- GASKET, RING TYPE, 1/16" THICK, I.D.=2 3/8" X O.D.=4 1/8", ANSI 150
11	8	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)
--	24	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
--	5	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	1	2" X 4"	NIPPLE, PIPE, STEEL, GRADE B, THREAD BOTH ENDS
16	1	2" X 10"	NIPPLE, PIPE, STEEL, GRADE B, THREAD BOTH ENDS
17	1 FT.	2"	PIPE, P.E., STEEL, ERW, GRADE B, 0.154" WALL, CUT AND THREAD TO SUIT
18	3 FT.	4"	PIPE, P.E., STEEL, ERW, GRADE B, 0.237" WALL
19	1	1/2"	PLUG, STEEL, HEX HEAD, 3000#
20	1	1"	PLUG, SQUARE HEAD, MALLEABLE IRON, CLASS 150, DRILL FOR WIRE SEAL
21	1	2"	PLUG, SQUARE HEAD, MALLEABLE IRON, CLASS 150, DRILL FOR WIRE SEAL
22	1	2"	RISER, APPROVED ANODELESS, STUB OR ENCASED OR FLEX CASING PRE-BENT STEEL
23	1	2"	RISER BRACKET
24	1	4"	STRAINER, Y-TYPE, 200# W.P., MFG. MUELLER, TO BE PROVIDED BY COLUMBIA GAS
25	1	2" X 1"	TEE, REDUCING, THREADED, MALLEABLE IRON, CLASS 150
26	1	4"	TEE, STRAIGHT, WELDING, GRADE B, 0.237" WALL
27	1	1/2"	THREDOLET, STEEL, 3000#
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-0009	ISSUE NO.
CHECKED	DATE	SHEET NO. 2 OF 2	