

8-851-01-03

- REVISIONS**
- 17 REDRAWN ADDED SERVICE REGULATORS SIZES 2" X 1/2" & 1 1/2" X 1/2" VENT REQUIREMENTS ALL 5-15-84
 - 18 ALICED DETAIL 'D', NOTED ING TABLE I, CHANGED ITEM 7, TITLE 'VENT NOTES, REM. -VE REGULATOR 2" X 1/2" V.D. 11-30-87
 - 19 REPLACED BASEMENT TEE WITH ELBOW, CORRECTED ITEM 14, CHGD NOTES. 5-17-89
 - 20 REVISED VENT REQUIREMENTS NOTE (c), ADDED ITEM 23 & 23 5-10-89
 - 21 CHGD. VENT NOTE 2C ADDED 2D C.W. 8-10-90
 - M.BALDOVIN 8/6/99 DELETED ITEM 5 & UPDATED DWG. C.W. 8/6/99

PAINING:

PAINT WITH A SUITABLE TYPE OF PAINT FOR USE ON METAL SURFACES OUTDOORS.

VENT REQUIREMENTS:

- 1) VENT PIPING SHALL:
 - A) BE ADEQUATELY SUPPORTED IN A WORKMAN LIKE MANNER.
 - B) TERMINATE OUTDOORS WHERE VENTED GAS CAN ESCAPE FREELY INTO THE ATMOSPHERE.
 - C) BE SIZED ACCORDING TO TABLE I. FOR VENTS LONGER THAN 20 EQUIVALENT FEET, THE ENTIRE LENGTH OF VENT PIPE SHALL BE THE LARGER PIPE SIZE.
- 2) VENT CAP SHALL:
 - A) NOT BE LOCATED UNDER A BUILDING OVERHANG, PROJECTION OR WINDOW WHERE VENTED GAS COULD COLLECT OR ENTER BUILDING.
 - B) BE LOCATED AWAY FROM (18 INCHES MIN) ANY OPENING INTO THE BUILDING.
 - C) BE LOCATED A MINIMUM OF 10 INCHES ABOVE GRADE.
 - D) BE EQUIPPED WITH AN INSECT PROOF SCREEN.

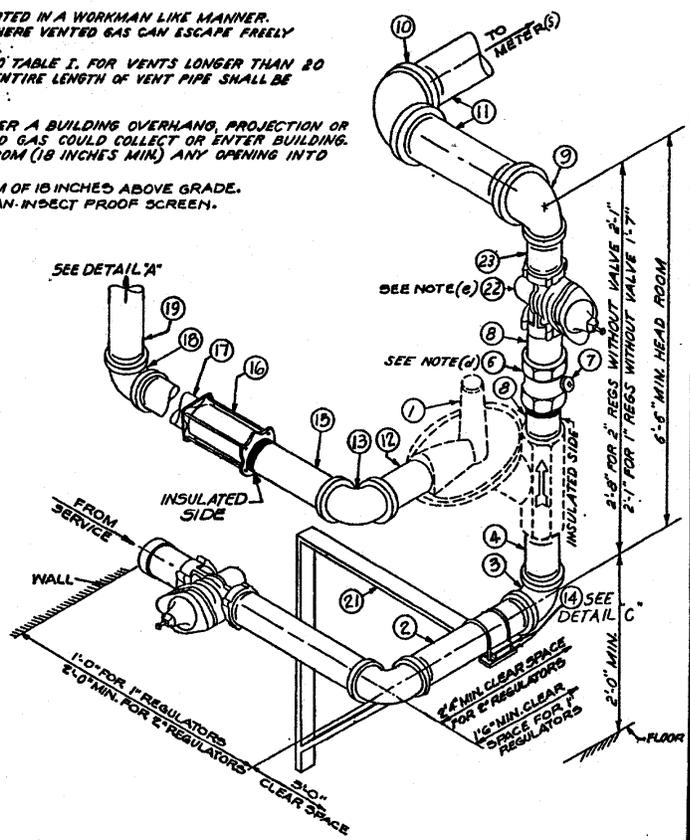
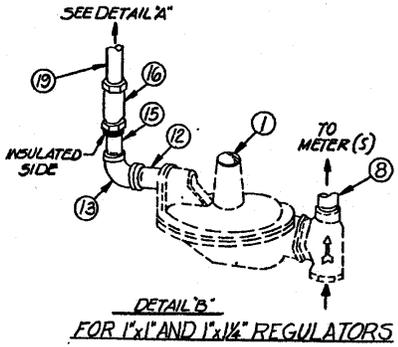
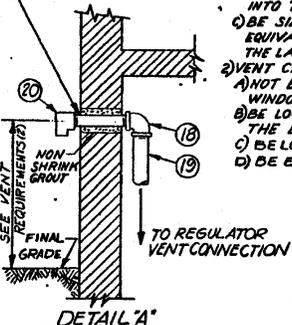
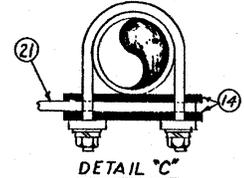


TABLE I
VENT PIPE SIZING

EQUIVALENT LENGTH	SERVICE REGULATOR - INLET x OUTLET	
	1" x 1"	1" x 1/2"
UP TO 20'	3/4"	3"
21' TO 40'	1"	4"
OVER 40'	CONTACT GAS MEASUREMENT	

** CONSIDER EACH 90° ELBOW TO BE EQUIVALENT TO STRAIGHT PIPE LENGTHS AS FOLLOWS: 3/4" = 2', 1" = 2' AND 3" = 7'.



* SEE "REQUIREMENTS FOR GAS SERVICE INSTALLATIONS" BOOKLET

NOTES:

- 1) ALL MATERIAL SHALL BE FURNISHED AND INSTALLED BY CUSTOMER EXCEPT SERVICE REGULATOR WHICH SHALL BE FURNISHED BY THE COMPANY FOR INSTALLATION BY CUSTOMER.
- 2) VERIFY VENT PIPING TO BE GAS TIGHT BY APPLYING A MINIMUM OF 3 PSIG AND TESTING CONNECTIONS WITH LEAK DETECTION SOLUTION.
- 3) DO NOT INCLUDE SERVICE REGULATOR IN ANY PIPING PRESSURE TEST.
- 4) INSTALL 1/2" PIPE PLUG AS SHOWN.
- 5) REGULATOR OUTLET VALVE NOT REQUIRED WHERE ONLY A SINGLE METER SHALL BE SUPPLIED WITH GAS.

ITEM	DESCRIPTION	QTY	SIZE IN INCHES
23	NIPPLE STD. BLACK STEEL	1 x 2	1/4 x 2 2 x 2 1/2
22	VALVE LUBRICATED PLUG	#	1" 1 1/2
21	SUPPORT	6-279	1 1/2 x 2 6
20	VENT CAP	#	3/4 1 3
19	PIPE STD. BLACK STEEL	#	3/4 1 3
18	ELBOW 90° BLACK MALLEABLE IRON 150 LB.	ANSI B16.3	3/4 x 3/4 1 x 1 3 x 3
17	PIPE STD. BLACK STEEL (THREAD ONLY ONE END)	#	3/4 1 3
16	COMPRESSION COUPLING INSULATED	#	3/4 1 3
15	PIPE STD. BLACK STEEL (THREAD ONLY ONE END)	#	3/4 x 4 1 x 4 3 x 6
14	BANKLITE NEOPRENE OR EQUIVALENT (INSULATING MATERIAL)	#	1/2 2 4
13	ELBOW 90° BLACK MALLEABLE IRON 150 LB.	ANSI B16.3	3/4 x 3/4 1 x 1 3 x 2 1/2
12	NIPPLE STD. BLACK STEEL	#	3/4 x 2 1 2 2 1/2 x 3
11	PIPE STD. BLACK STEEL	#	2 4
10	ELBOW 90° BLACK MALLEABLE IRON 150 LB.	ANSI B16.3	METER 2 x 2 4 x 4
9	ELBOW 90° REDUC. BLK MALLEABLE IRON 150 LB.	ANSI B16.3	SIZE 2 1/2 2 x 2
8	PIPE STD. BLACK STEEL (THREAD ONLY ONE END)	#	1 x 7 1 1/2 x 7 2 x 8
7	PIPE PLUG STEEL, HEXAGON SOCKET	MOLBMA	1/2 1/2 1/2
6	COMPRESSION COUPLING INSULATED	#	1 1 1/2 2
4	NIPPLE STA. BLACK STEEL	#	1 x 4 1 x 4 2 x 2 1/2
3	ELBOW 90° BLACK MALLEABLE IRON 150 LB.	ANSI B16.3	1 x 1 1 x 1 2 x 2
2	NIPPLE STD. BLACK STEEL	#	1 x 2 1 x 2 2 x 2
1	GAS SERVICE REGULATOR	PHYSICAL	1K1W441/1K1-1 2K2-2K

BILL OF MATERIAL

INSTALLATION OF GAS SERVICE REGULATORS - INDOORS (1" TO 2")

CONSOLIDATED EDISON COMPANY OF N. Y., INC.
GAS OPERATIONS DEPARTMENT

DATE: 10-15-53
LAST REV: 8/6/99

SPEC. NO. G-413
REV. 22

MEASURING SPECIFICATIONS AND PROCEDURES YELLOW INCL 5 MAILING LIST NO. B