

81171-03

BILL OF MATERIAL

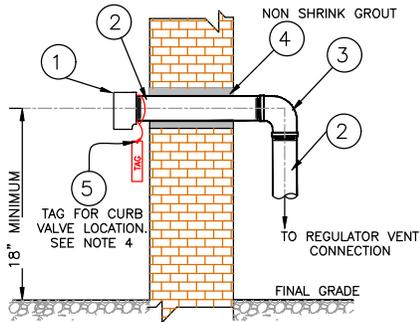
ITEM NO.	DESCRIPTION	GAS REGULATOR SIZES -- INLET X OUTLET X VENT			FISHER GAS REGULATOR*
		1" x 1" x 3/4"	1" x 1 1/4" x 1"	2" x 2" x 2 1/2" 2" x 4" x 2 1/2" B838	
1	PECK VENT CAP OR 90° ELBOW WITH SCREEN (SEE NOTE 7)	3/4" - 2"	1" - 3"	3" - 6"	2"
2	NIPPLE, STD, BLACK STEEL, THREADED.	3/4" - 2"	1" - 3"	3" - 6"	2"
3	ELBOW 90°, BLACK MALLEABLE IRON, 150 LB.	3/4" - 2"	1" - 3"	3" - 6"	2"
4	NON-SHRINK GROUT				
5	CURB VALVE LOCATION TAG				

- REVISIONS**
- 0**
- DRAWING ISSUED ON 4/06/06
RAJ 4/06/06
- 1**
- G. LUDWIG 6/06/11
ADDED EQUIV. LENGTH FOR 4" 90° ELBOW.
D.J. 6/06/11
- 2**
- G. LUDWIG 3/19/12
ADDED DETAIL FOR OUTDOOR REGULATOR
H.D. 2/24/12
- 3**
- G. LUDWIG 10/03/12
ADDED B838 TO TABLE 1.
D.J. 10/03/12
- 4**
- G. LUDWIG 2/12/15
REVISED NOTE 2. ADDED NOTES 5 & 6. ADDED TABLE 2.
B.E. 1/22/15
- 5**
- G. LUDWIG 2/10/20
ADDED NOTE 7. UPDATED BILL OF MATERIAL TO REFERENCE NOTE 7.
C.S. 2/10/20
- 6**
- M. BURR 04/03/25
UPDATED BILL OF MATERIAL, GAS REGULATOR SIZES TABLE & TABLE 1.
R.R. 04/03/25

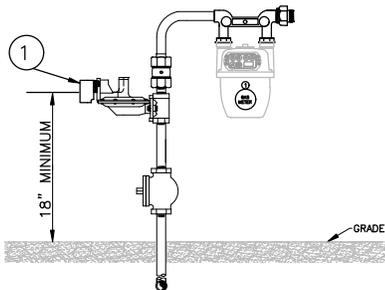
TABLE 1

LENGTH	GAS REGULATOR SIZES -- INLET X OUTLET X VENT			FISHER GAS REGULATOR*
	1" x 1" x 3/4"	1" x 1 1/4" x 1"	2" x 2" x 2 1/2" 2" x 4" x 2 1/2" B838	
**UP TO 20'	3/4"	1"	3"	2"
**21' TO 40'	1"	1 1/2"	4"	2"
OVER 40'	CONTACT GAS MEASUREMENT			2"

FOR INDOOR REGULATOR



FOR OUTDOOR REGULATOR



REGULATOR VENT LOCATION DIAGRAM

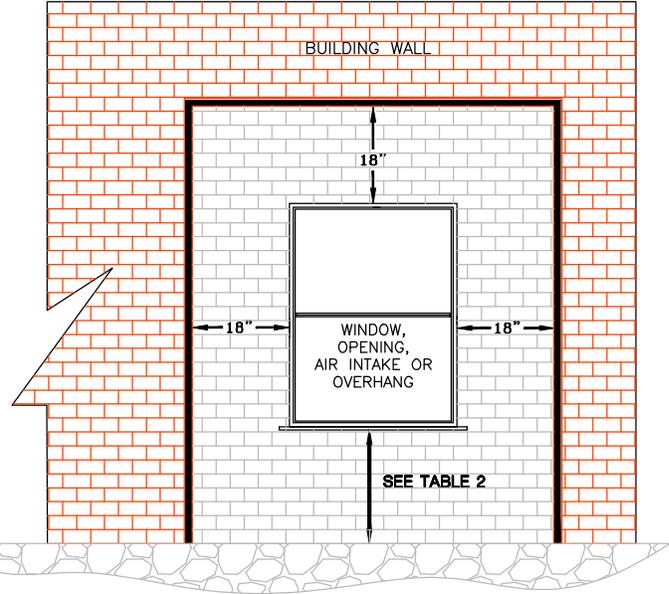


TABLE 2

TYPE OF OPENING	GROUP 1 REGULATORS	GROUP 2 REGULATORS
WINDOW	6 FT	25 FT
OVERHANG (24" OR LESS)	6 FT	25 FT
NORMALLY CLOSED OPENING	6 FT	25 FT
OPEN OR VENTED AWNING	6 FT	25 FT
CLOSED AWNING (UNVENTED)	NOT ALLOWED	NOT ALLOWED
NORMALLY OPEN AWNING	NOT ALLOWED	NOT ALLOWED
AIR INTAKE	NOT ALLOWED	NOT ALLOWED

GROUP 1 REGULATORS: 1" x 1" x 3/4"; 1" x 1-1/4" x 1"; FISHER (OR EQUIVALENT): 99, 133, 1098, EZR
GROUP 2 REGULATORS: 2" x 2" x 2-1/2"; 2" x 4" x 2-1/2"

**** CONSIDER EACH 90° ELBOW TO BE EQUIVALENT TO STRAIGHT PIPE LENGTHS AS FOLLOWS:**
3/4" = 2', 1" = 2', 3" = 7', 4" = 10'
FOR REGULATORS 99, 133, 1098, EZR
*CUSTOMER TO INSTALL 2" VENT PIPING FROM OUTDOOR VENT CAP ALONG INSIDE WALL TO A POINT WITHIN 2 FEET OF EACH REGULATOR RUN. COMPANY TO MAKE FINAL CONNECTION TO VENT LINE.

VENT REQUIREMENT NOTES

- VENT PIPE MUST:
 - * BE GAS TIGHT.
 - * BE PROPERLY SUPPORTED.
 - * TERMINATE OUTDOORS WITH A VENT CAP FACING DOWNWARD.
 - * BE SIZED ACCORDING TO TABLE 1. FOR VENTS LONGER THAN 20 EQUIVALENT FEET, THE ENTIRE LENGTH OF VENT PIPE SHALL BE THE LARGER PIPE SIZE.
- VENT OUTLET (SEE REGULATOR VENT LOCATION DIAGRAM):
 - * VENT OUTLETS DIRECTLY UNDER A WINDOW, OVERHANG, OPENING, AWNING OR AIR INTAKE SHALL MEET THE MINIMUM DISTANCES IN TABLE 2.
 - * IF THE VENT OUTLET IS LOWER THAN OR ADJACENT TO ANY OPENING, IT MUST BE Laterally OFFSET BY A MINIMUM OF 18" FROM THE NEAREST VERTICAL LINE OF ANY OPENING, OR PROJECTION THAT COULD ALLOW VENTED GAS TO ENTER THE BUILDING OR ACCUMULATE.
 - * IF THE VENT OUTLET CANNOT BE Laterally OFFSET BY AT LEAST OF 18", IT MUST DISCHARGE ABOVE AND AWAY FROM ANY BUILDING OPENING, OVERHANG, PROJECTION OR POWERED INTAKE BY AT LEAST 18".
- VENT CAP SHALL:
 - * BE A WEATHER AND INSECT RESISTANT FITTING, E.G., A PECK VENT.
 - * NOT BE COVERED IN ANY WAY THAT WOULD PREVENT THE FREE FLOW TO THE OUTSIDE.
- INSTALL TAG (PER G-8028) TO IDENTIFY THE CURB VALVE LOCATION. IN NYC IF THE VENT CAP USED IS NOT WORDED " GAS" OR " GAS VENT", THEN THIS WORDING MUST BE INCLUDED ON THE CURB VALVE LOCATION TAG, ANOTHER TAG, OR A SIGN ON THE BUILDING (SEE G-11836).
- FOR RUNS OF VENT PIPING EXCEEDING 10 LINEAR FEET, A COMPRESSION COUPLING OR 150 LB BLACK IRON UNION THE SIZE OF THE VENT PIPE SHALL BE INSTALLED WITHIN 2 FEET OF THE REGULATOR.
- IF A SUITABLE VENT OUTLET LOCATION MEETING THE REQUIREMENTS OF THIS DRAWING CANNOT BE FOUND, CONTACT THE MANAGER OF GAS MEASUREMENT FOR DETERMINATION OF A COMPLIANT LOCATION WHERE THERE IS NO RISK TO PUBLIC SAFETY.
- IN SPECIFIED FLOOD PRONE AREAS, VENT LINE PROTECTORS (VLP) MAY BE INSTALLED IN LIEU OF PECK VENTS. VLPs ARE INSTALLED IN AREAS SPECIFIED IN G-8217 AND INSTALLED IN ACCORDANCE WITH G-699

METERING SPECIFICATIONS AND PROCEDURES VOLUME #3

YELLOW BOOK

REGULATOR VENT INSTALLATION

CONSOLIDATED EDISON COMPANY OF N.Y., INC.
GAS ENGINEERING DEPT

DATE CREATED 2/08/05
LAST REVISED 04/03/25

DWG. NO. **EO-17118**

REV. **6**