

514203

REVISIONS

G. LUDWIG 0

NEW DRAWING

DJT 10/26/2016

G. LUDWIG 05/30/2017 1

ADDED "Y" STRAINER FOR 2" REGULATORS AND REVISED BILL OF MATERIALS

CTS 05/30/2017

G. LUDWIG 07/21/2020 2

ADDED DETAIL 1 & DETAIL 2. ADDED ITEMS 21 & 22.

D.O. 07/21/2020

G. LUDWIG 04/13/2021 3

REVERTED BACK TO REVISION NO. 1.

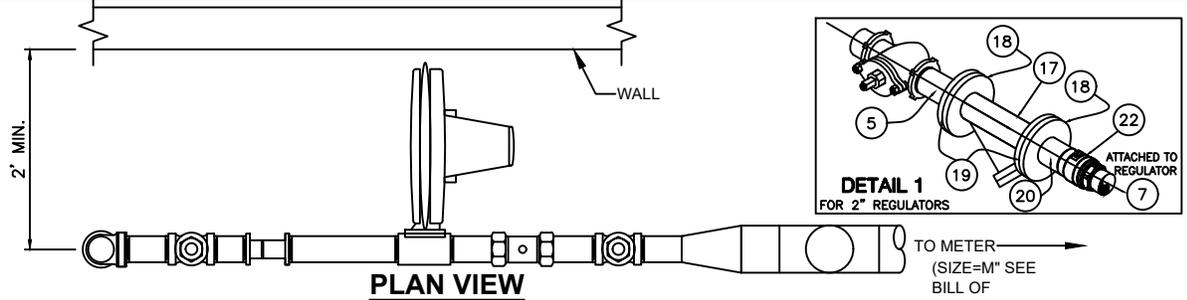
D.O. 04/13/2021

G. LUDWIG 08/17/2021 4

ADDED DETAIL 1 & DETAIL 2. ADDED ITEMS 21 AND 22. ADDED NOTES "14" & "15".

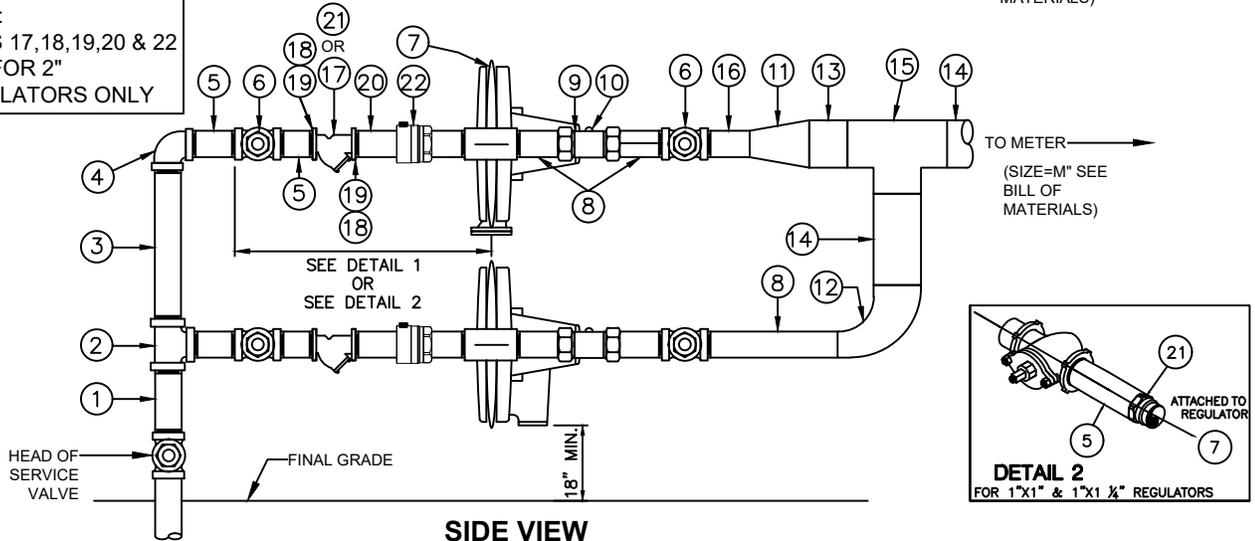
D.O. 08/17/2021

METERING SPECIFICATIONS & PROCEDURES VOLUME 3 AND GAS YELLOW BOOK



PLAN VIEW

NOTE: ITEMS 17,18,19,20 & 22 ARE FOR 2" REGULATORS ONLY



SIDE VIEW

BILL OF MATERIALS

ITEM No.	DESCRIPTION	SPEC./STD.	REGULATOR SIZE		
			1" x 1" x 3/4"	1" x 1-1/4" x 1"	2" x 2" x 2-1/2"
1	PIPE, STEEL, STD. (LENGTH AS REQUIRED)	G-8107	1"	1"	2"
2	TEE, M.I., 150#	ASME B 16.3	1" x 1" x 1"	1" x 1" x 1"	2" x 2" x 2"
3	PIPE, STEEL, STD.	G-8107	1" x 20"	1" x 20"	2" x 24"
4	ELBOW, 90, M.I., 150#	ASME B 16.3	1"	1"	2"
5	NIPPLE, STEEL, STD. (LENGTH AS REQUIRED)	G-8107	1"	1"	2"
6	REGULATOR VALVE	*	1"	1"	2"
7	GAS SERVICE REGULATOR	G-48	1" x 1" x 3/4"	1" x 1-1/4" x 1"	2" x 2" x 2-1/2"
8	PIPE, STEEL, STD., THREAD ONE END	G-8107	1" x 6"	1-1/4" x 6"	2" x 6"
9	COMPRESSION COUPLING, INSULATED	*	1"	1-1/4"	2"
10	PLUG, STEEL	ASME B 16.4	3/8"	3/8"	3/8"
11	REDUCING COUPLING, M.I., 150#	ASME B 16.3	M" x 1"	M" x 1-1/4"	-
	REDUCING COUPLING, STEEL, STD., BUTT WELD	ASME B 16.9	-	-	M" x 2"
12	ELBOW, REDUCING, M.I., 150#	ASME B 16.3	M" x 1"	M" x 1-1/4"	-
	ELBOW, REDUCING, STEEL, STD., BUTT WELD	ASME B 16.9	-	-	M" x 2"
13	NIPPLE, STEEL, STD. (LENGTH AS REQUIRED)	G-8107	M"	M"	-
	NIPPLE, STEEL, STD., BUTT WELD (LENGTH AS REQUIRED)	G-8107	-	-	M"
14	PIPE, STEEL, STD. (LENGTH AS REQUIRED)	G-8107	M"	M"	-
	PIPE, STEEL, STD., BUTT WELD (LENGTH AS REQUIRED)	G-8107	-	-	M"
15	TEE, M.I., 150#	ASME B 16.3	M" x M" x M"	M" x M" x M"	-
	TEE, STEEL, STD., BUTT WELD	ASME B 16.9	-	-	M" x M" x M"
16	NIPPLE, STEEL, STD. (LENGTH AS REQUIRED)	G-8107	1"	1-1/4"	-
	NIPPLE, STEEL, STD., THREAD ONE END (LENGTH AS REQUIRED)	G-8107	-	-	2"
17	"Y" STRAINER, FLANGED, RAISED FACE, 150#	*	-	-	2"
18	FLANGE, FORGED STEEL, RAISED FACE, 150# SCREWED	ASME B16.5	-	-	2"
19	GASKET, RING, 150#, GARLOCK 3000	-	-	-	2" x 1/16"
20	NIPPLE, STEEL, STD	G-8107	-	-	2"
21	1 INCH F X M NPT TA-VALVE (CLASS & STOCK # 3771916) OR 1 INCH M X M NPT TA-VALVE (CLASS & STOCK # 3771916) WITH 1 INCH M X F BELL COUPLING, BLACK MALLABLE IRON.	-	1"	1"	-
22	2 INCH F X M NPT TA-VALVE (CLASS & STOCK # 3771917)	-	-	-	2"

NOTES:

* REFER TO GAS YELLOW BOOK: "A CUSTOMER'S GUIDE TO NATURAL GAS SERVICE INSTALLATION"
* M"=METER SIZE

- ALL MATERIALS TO BE FURNISHED AND INSTALLED BY THE CUSTOMER EXCEPT FOR THE REGULATORS WHICH ARE FURNISHED BY THE COMPANY.
- ALL PIPE TO BE INSTALLED PLUMB AND LEVEL.
- DO NOT INCLUDE REGULATORS OR METERS IN PRESSURE TESTS.
- SERVICE REGULATOR VENT TERMINUS SHALL NOT BE LOCATED WITHIN 18" OF A BUILDING OPENING, NOR UNDER A BUILDING OVERHANG, PROJECTION, OR WINDOW WHERE GAS CAN ACCUMULATE OR ENTER THE BUILDING.
- INSTALL PIPE SUPPORTS AS NEEDED. REFER TO SPEC. G-279 AND/OR G-639 WHERE APPLICABLE.
- INSULATING MATERIAL MUST BE INSTALLED BETWEEN PIPE SUPPORTS AND THE PIPE TO ENSURE THAT THE PIPE DOES NOT CONTACT THE PIPE SUPPORTS. PIPE SUPPORTS OR BRACING SHALL NOT BE WELDED TO METER/DISTRIBUTION PIPING.
- PRESSURE TEST TO BE CONDUCTED BASED ON THE GAS YELLOW BOOK.
- ALL WELDED PIPE MUST BE BUTT WELDED.
- ALL EXPOSED PIPING AND FITTINGS SHALL BE PAINTED WITH A SUITABLE NON-LEAD BASED TYPE OF PAINT FOR USE ON METAL SURFACES OUTDOORS.
- INSTALL INSULATING JOINTS AS REQUIRED. (ITEM 9)
- MAINTAIN 2" MINIMUM CLEARANCE FROM WALLS AND STRUCTURES WHERE PRACTICAL.
- INSTALL BUMPERS AS REQUIRED (SEE DWG. #502163).
- REFER TO GAS YELLOW BOOK: "A CUSTOMER GUIDE TO NATURAL GAS SERVICES INSTALLATIONS".
- INSTALL TA-VALVE SUCH THAT FLOW ARROW ON THE DEVICE POINTS TO THE DIRECTION OF GAS FLOW.
- HEAT SENSOR ON 2-INCH MODEL SHOULD BE FREE OF ANY COATINGS.

OUTDOOR INSTALLATION OF TWIN GAS REGULATORS - 1" TO 2" BODY

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

DATE 10/26/2016

DWG. NO. 514203

LAST REV. 08/17/2021

REV. 04