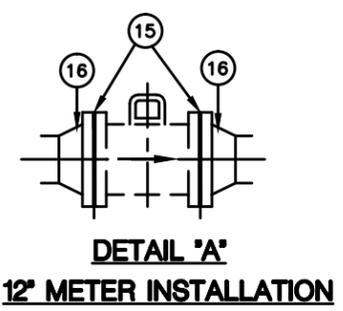
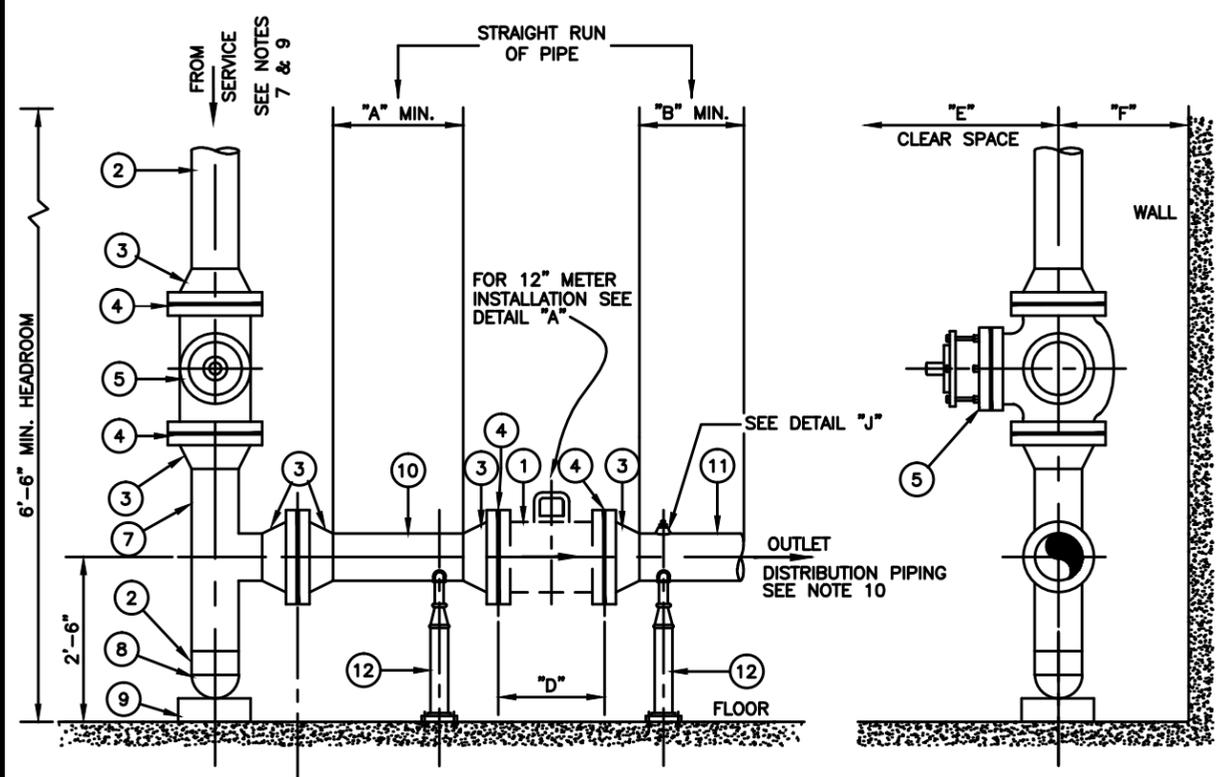


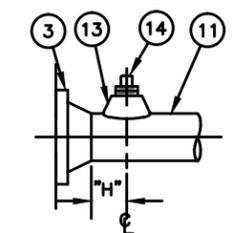
EO-16390-B

REVISIONS

MARK BALDOVIN 4/7/99	5
REDRAWN TO AUTOCAD UPDATED DWG. & ADDED NOTE (g) CHGD. SPEC. G-493 TO EO-13750-D C.WILLIAMS. 4/7/99	6
E. DEGUZMAN 9/28/10	6
REVISED "A"&"B" DIMS IN TABLE. REVISED NOTE g. ADDED NOTE h. D. JACOBS 9/28/10	7
G. LUDWIG 4/14/15	7
ADDED NOTES 9 THROUGH 11. UPDATED ANSI STDS TO ASME. ADDED REFERENCE TO YELLOW BOOK. ADDED DETAIL "A". B. EDWARDS 3/10/15	

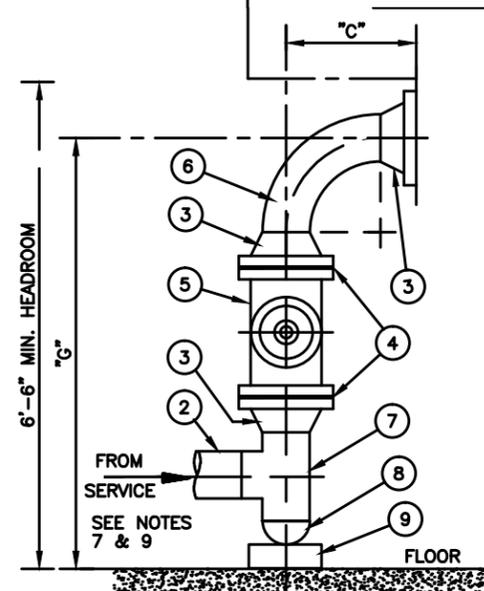


DO NOT WELD WHEN METER IS INSTALLED



DETAIL 'J'
PROVISIONS FOR INSTALLATION OF TEMPERATURE WELL

INSTALL GAS METER ONLY AFTER ALL METER PIPING HAS BEEN FABRICATED



ALTERNATE INLET PIPING CONFIGURATION
(SEE NOTE 5)

NOTES:

1. THE INTERIOR SURFACE OF THE PIPING AT THE METER SHALL BE SMOOTH AND ROUND, WITHOUT SHOULDERS. WELDING NECK FLANGES ON METER PIPING SHALL BE INSTALLED WITHOUT BACKING RINGS. ALL TRACES OF WELDING BEAD OR FLASH INSIDE OF PIPE SHALL BE REMOVED. IF THE ABOVE REQUIREMENTS CANNOT BE MET, THE PIPE SHALL BE BORED SMOOTH FOR A LENGTH OF AT LEAST 2 1/2 PIPE DIAMETERS FROM FACE OF FLANGE. ALL PIPING AT THE METER SHALL BE INSPECTED BY THE COMPANY AFTER FABRICATION AND PRIOR TO INSTALLATION.
2. ALL MATERIAL SHALL BE FURNISHED BY CUSTOMER EXCEPT ITEM 1 WHICH SHALL BE FURNISHED AND INSTALLED BY COMPANY.
3. ALL PIPING SHALL BE INSTALLED PLUMB AND LEVEL. METER INLET AND OUTLET CONNECTIONS SHALL BE IN LINE.
4. INSTALL PIPE SUPPORTS AS DEPICTED AND AS NEEDED. REFER TO SPEC. G-695. INSULATING MATERIAL MUST BE INSTALLED BETWEEN PIPE SUPPORTS AND THE PIPE TO ENSURE THAT THE PIPE NEVER MAKES CONTACT WITH THE PIPE SUPPORTS. PIPE SUPPORTS SHALL NOT BE WELDED TO METER/DISTRIBUTION PIPING.
5. FOR 12" METERS IN ALTERNATE INLET PIPING CONFIGURATION, A STABLE STEP OR PLATFORM ACCEPTABLE TO THE COMPANY MUST BE PERMANENTLY LOCATED NEAR THE METER TO PROVIDE FOR ACCESS TO THE INDEX ON TOP OF THE METER.
6. PIPING MUST BE LEFT BLANK FLANGED BY CONTRACTOR PRIOR TO METER INSTALLATION.
7. FOR CON EDISON LOW PRESSURE SYSTEMS, AN INSULATED COMPRESSION COUPLING OR FLANGE INSULATING KIT AS APPROPRIATE SHALL BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE HEAD OF SERVICE VALVE.
8. ALL GASKET MATERIAL SHALL BE GARLOCK 3000.
9. ALL METER PIPING (PIPING FROM THE HEAD OF SERVICE VALVE TO METER OUTLET) SHALL BE BUTT WELDED.
10. DISTRIBUTION PIPING EXCLUDING METER PIPING MUST MEET ALL WELDING, SPECIAL INSPECTION, AND RADIOGRAPHY REQUIREMENTS OF THE NYC BUILDING CODE OR OTHER AUTHORITY HAVING JURISDICTION.
11. FOR INSTALLATIONS HAVING BRANCH LINES THAT ARE SEPARATELY METERED AND/OR SEPARATELY REGULATED, REFER TO SPEC G-703 FOR PIPE SIZING REQUIREMENTS.

* SEE YELLOW BOOK

ITEM NO.	DESCRIPTION	SPEC. OR DWG.NO.	SIZE
16	FLANGE, FORGED STL, RAISED FACE, WELD NECK 150 #	ASME B16.5	12"
15	GASKET, RING, 150 # (SEE NOTE 8)		12"
14	PIPE PLUG, STEEL SOLID, SQUARE HEAD	ASME B16.14	1"
13	THREDOLET, THREADED BRANCH OUTLET		4"x 1" 6"x 1" 8"x 1" 12"x 1"
12	PIPE SUPPORT	EO-7043-D	
11	PIPE, STEEL, STD. (MIN. LENGTH GIVEN)	G-8107	4"x 20" 6"x 30" 8"x 40" 12"x 60"
10	PIPE, STEEL, STD. (MIN. LENGTH GIVEN)	G-8107	4"x 40" 6"x 60" 8"x 80" 12"x 120"
9	CONCRETE BLOCK		4"x 4"x 4" 6"x 6"x 4" 8"x 8"x 4" 12"x 12"x 4"
8	CAP, STEEL, BUTT WELDING, STD.	ASME B16.9	4" 6" 8" 12"
7	TEE, STEEL, BUTT WELDING, STD.	ASME B16.9	4" 6" 8" 12"
6	ELBOW, 90°, LONG RADIUS, BUTT WELDING, STEEL, STD.	ASME B16.9	4" 6" 8" 12"
5	LUBRICATED PLUG VALVE (8" & 12" WHEEL OPERATED)	*	4" 6" 8" 12"
4	GASKET, FULL FACE, 150 # (SEE NOTE 8)		4"x1/16" 6"x1/16" 8"x1/16" 12"x1/16"
3	FLANGE, FORGED STEEL, FLAT FACE, WELDING NECK, 150 #	ASME B16.5	4" 6" 8" 12"
2	PIPE, STEEL, STD.	G-8107	4" 6" 8" 12"
1	GAS TURBINE METER		4" 6" 8" 12"

BILL OF MATERIAL

METER SIZE (M)	METER WEIGHT LBS.	A	B	C	D	E	F	G	H
12"	460	120"	60"	1'-10 1/2"	2'-6"	4'-8"	1'-9"	6'-9"	2'-0"
8"	100	80"	40"	1'-4"	1'-9"	4'-2"	1'-6"	5'-0"	1'-6"
6"	55	60"	30"	1'-0 1/2"	1'-4"	4'-0"	1'-0"	3'-9"	1'-0"
4"	35	40"	20"	0'-9"	1'-2"	3'-0"	1'-0"	3'-0"	0'-10"

INSTALLATION OF LOW PRESSURE GAS TURBINE METERS

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

DATE 4/10/80
LAST REV. 4/14/15
DWG. NO. EO-16390-B REV. 7

METERING SPECIFICATIONS AND PROCEDURES VOLUME NO. 3
YELLOW BOOK