



BILL OF MATERIALS

ITEM	DESCRIPTION	SPEC/STD	SIZE
1	GAS METER	G-48	3000R
2	ELBOW, 90, M.I. 150#	ASME B16.3	7000R
3	PIPE, STEEL, STD	G-8107	2" X 26"
4	NIPPLE, STEEL, STD	G-8107	2" X 4"
5	METER VALVE, LUBRICATED PLUG	*	2" X 8"
6	NIPPLE, STEEL, STD	G-8107	2" X 8"
7	FLANGE, STEEL, FLAT FACE SCREWED, 150	ASME B16.5	2" X 8"
8	TEE, M.I. 150#	ASME B16.3	2" X 2"
9	PIPE SUPPORT	G-695	2" X 2"
10	CAP STEEL, SCH 40	ASME B16.9	2" X 1/8"
11	GASKET STRAINER, 150#, FULL FACE 60 MESH, S.S.	G-8220	2" X 1/8"
12	GASKET, FULL FACE, 150# (SEE NOTE 10)	G-8220	2" X 1/8"
13	PIPE, STEEL, STD	G-8107	2"

- NOTES:
- ALL MATERIALS TO BE FURNISHED AND INSTALLED BY THE CUSTOMER EXCEPT FOR THE METERS AND METER GASKETS WHICH WILL BE FURNISHED AND INSTALLED BY THE COMPANY.
 - ALL PIPE TO BE INSTALLED PLUMB AND LEVEL.
 - DO NOT INCLUDE REGULATORS OR METERS IN PRESSURE TESTS. USE METER SPOOL PIECES AS DEPICTED. LEAVE PIPE BLANK FLANGED PRIOR TO METER INSTALLATION.
 - INSTALLATIONS WITH VOLUME CORRECTIONS MUST HAVE A 24" MINIMUM CLEARANCE ON TOP OF THE METER.
 - INSTALL PIPE SUPPORTS AS DEPICTED AND AS NEEDED. REFER TO SPEC. G-695. PIPE SUPPORTS SHALL NOT BE WELDED TO METER/DISTRIBUTION PIPING.
 - PRESSURE TEST TO BE CONDUCTED BASED ON YELLOW BOOK.
 - DISTRIBUTION PIPING EXCLUDING METER PIPING MUST MEET ALL WELDING, SPECIAL SPECIFICATION, AND RADIOGRAPHY REQUIREMENTS OF THE NYC BUILDING CODE OR OTHER AUTHORITY HAVING JURISDICTION.
 - 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. FOR CON EDISON MEDIUM AND HIGH PRESSURE SYSTEMS, AN INSULATED COMPRESSION COUPLING OR FLANGE INSULATING KIT SHALL BE INSTALLED DOWNSTREAM OF THE REGULATOR.
 - FOR INSULATIONS HAVING BRANCH LINES THAT ARE SEPARATELY METERED AND/OR SEPARATELY REGULATED, REFER TO SPEC G-703 FOR PIPE SIZING REQUIREMENTS.
 - GASKET MATERIAL SHALL BE GARLOCK 3000 (1/16" THICK). GASKET STRAINER TO CONTAIN A 60 MESH STAINLESS STEEL SCREEN.
 - FOR WESTCHESTER, CUSTOMER'S CONTRACTOR SHALL INSTALL SERVICE HEAD VALVE WHERE APPLICABLE.
 - 2DRIP LEG VALVE TO BE LOCKED IN CLOSED POSITION WITH A BARREL (MORSE) LOCK.

METER CLASS	METER TYPE	PIPE SIZE	FLANGE TO A	LEFT TO RIGHT FLOW B	C	D	MIN	RIGHT TO LEFT FLOW B	C	D	MIN
3000R	RM3000T/C	2"	6.75"	11.90"	5.58"	6.00"	5.58"	11.90"	6.00"	6.00"	6.00"
	RM3000T/CID	2"	6.75"	8.90"	5.58"	6.00"	5.58"	8.90"	6.00"	6.00"	6.00"
	3M175T/C	2"	6.75"	13.00"	6.25"	6.00"	6.25"	13.00"	6.00"	6.00"	6.00"
	3M175T/CID	2"	6.75"	14.72"	6.25"	6.00"	6.25"	14.72"	6.00"	6.00"	6.00"
5000R	RM5000T/C	3"	6.75"	13.62"	7.30"	6.00"	7.30"	13.62"	6.00"	6.00"	6.00"
	RM5000T/CID	3"	6.75"	10.63"	7.30"	6.00"	7.30"	10.63"	6.00"	6.00"	6.00"
	3M175T/C	3"	6.75"	14.44"	7.89"	6.00"	7.89"	14.44"	6.00"	6.00"	6.00"
	5M175T/CID	3"	6.75"	16.12"	7.89"	6.00"	7.89"	16.12"	6.00"	6.00"	6.00"
7000R	RM7000T/C	3"	9.50"	13.48"	6.91"	6.00"	6.91"	13.48"	6.00"	6.00"	6.00"
	RM7000T/CID	3"	9.50"	10.27"	6.91"	6.00"	6.91"	10.27"	6.00"	6.00"	6.00"
	7M175T/C	3"	9.50"	13.44"	6.50"	6.00"	6.50"	13.44"	6.00"	6.00"	6.00"
	7M175T/CID	3"	9.50"	15.09"	6.50"	6.00"	6.50"	15.09"	6.00"	6.00"	6.00"
11000R	RM11000T/C	4"	9.50"	15.85"	9.28"	6.00"	9.28"	15.85"	6.00"	6.00"	6.00"
	RM11000T/CID	4"	9.50"	12.84"	9.28"	6.00"	9.28"	12.84"	6.00"	6.00"	6.00"
	11M175T/C	4"	9.50"	15.22"	8.28"	6.00"	8.28"	15.22"	6.00"	6.00"	6.00"
	11M175T/CID	4"	9.50"	16.91"	8.28"	6.00"	8.28"	16.91"	6.00"	6.00"	6.00"
16000R	RM16000T/C	4"	9.50"	16.41"	9.84"	6.00"	9.84"	16.41"	6.00"	6.00"	6.00"
	RM16000T/CID	4"	9.50"	13.20"	9.84"	6.00"	9.84"	13.20"	6.00"	6.00"	6.00"
	16M175T/C	4"	9.50"	17.56"	10.63"	6.00"	10.63"	17.56"	6.00"	6.00"	6.00"
	16M175T/CID	4"	9.50"	19.53"	10.63"	6.00"	10.63"	19.53"	6.00"	6.00"	6.00"
23000R	RM23000T/C	4"	9.50"	18.41"	11.84"	6.00"	11.84"	18.41"	6.00"	6.00"	6.00"
	RM23000T/CID	4"	9.50"	15.20"	11.84"	6.00"	11.84"	15.20"	6.00"	6.00"	6.00"

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED

<p>DATE: 11/13/2017</p> <p>ISSUE: NEW</p> <p>REVISION: R. REICHEL 11/13/2017</p>	<p>DATE: 11/13/2017</p> <p>ISSUE: NEW</p> <p>REVISION: R. REICHEL 11/13/2017</p>	<p>DATE: 11/13/2017</p> <p>ISSUE: NEW</p> <p>REVISION: R. REICHEL 11/13/2017</p>	<p>DATE: 11/13/2017</p> <p>ISSUE: NEW</p> <p>REVISION: R. REICHEL 11/13/2017</p>
<p>METERING SPECIFICATIONS & PROCEDURES STANDARDS VOLUME 3</p>			
<p>PROJECT: EDISON</p> <p>LOCATION: ALL BOROUGHS</p> <p>TITLE: OUTDOOR TWIN ROTARY METER INSTALLATION CLASS 3000-23000</p>			
<p>APPROVALS: -</p> <p>ENGINEER: G. LUDWIG</p> <p>PROJECT ENGINEER: E. ONYEUJWU</p> <p>SUPERVISOR: C. DVORAK</p> <p>DRAWN: R. REICHEL</p> <p>SCALE: NONE</p>			