

TABLE OF CONTENTS

Note: To access a selection, “click” on the section containing the information your are seeking.

	<u>Page No.</u>
<u>IMPORTANT NOTICE REGARDING CON EDISON SPECIFICATION</u>	<u>a</u>
<u>SECTION I - INTRODUCTION</u>	
Purpose	4
Scope	4
Rate Schedule	4
Cooperation	4
Codes	4
Request for Information.....	4
Service Layouts	5
Easement Responsibility.....	5
Responsibilities	5
Inspection	5
Approvals.....	5
Piping Adequacy.....	5
Flat Connection.....	5
Revisions	5
Aesthetics	5A
Termination of Service.....	5A
<u>SECTION II – DEFINITIONS.....</u>	<u>6</u>
<u>SECTION III - GENERAL INFORMATION & REQUIREMENTS</u>	
Application for Service and Service Characteristics	9
Access to Customer’s Premises.....	9
Identification of Employees	9

TABLE OF CONTENTS

Note: To access a selection, “click” on the section containing the information your are seeking.

Page No:

Inspection and Approvals10

SECTION IV - COMPANY SERVICE PIPING INSTALLATION

Installation of Service Laterals11

 Residential11

 Non Heating11

 Heating.....11

 Multi-Dwelling Residential/Commercial/Industrial 11

Customer Requests for Change in Location of Existing Service Facilities 11

SECTION V - CUSTOMER PIPING INSTALLATION

Trenching and Backfilling12

Plastic Service Pipe12

Steel Service Pipe.....13

Welding.....13, 14

Cathodic Protection-Underground Steel Piping 14,14A, 14B, 15, 16

Leakage Testing16

Test Pressure & Duration.....17

Restoring Gas Service after Repairs.....17A

Restoration to Buildings with Risers.....17B

Gas Distribution Piping At Elevated Pressure Delivery.....18

Point of Service Termination18

 Residential Outdoor/Indoor Meters18

 Multi-Dwelling Residential/Commercial/Industrial19

 Head of Service Upgrading Requirements on Existing Services19

 Sleeves19

 Building with Basement19

 Vault and Areaway19, 20

 Enclosures Above Services20

 Building without Basement20

TABLE OF CONTENTS

Note: To access a selection, “click” on the section containing the information your are seeking.

	<u>Page No.</u>
Minimum Insulation Standards for Existing Dwellings	
Converting to Gas Space Heating	20
1-2-3-4 Family Homes – Converting to Gas Heating.....	20
Certificates of Compliance.....	20
Waivers	21
<u>Exhibit "A"</u> - Plumbing Contractor Work Request Form*	22
<u>Exhibit "B"</u> - NYC Meter Piping Pressure Test Verification Affidavit	23
<u>Exhibit "C"</u> - Westchester County Pressure Test Verification Affidavit (Distribution Piping)	24
<u>Exhibit "D"</u> - Westchester County Pressure Test Verification Affidavit (Meter Piping)	25
<u>Exhibit "E"</u> - Welder Affidavit.....	26
<u>Exhibit "F"</u> - Certificate of Compliance.....	27
<u>Exhibit "G"</u> - Request for Waiver-Min Insulation Standard	28
This page reserved for future use	
<u>Exhibit "I"</u> - Gas Integrity Test and Turn- on Affidavit	29A

SECTION VI - SERVICE EQUIPMENT - INSTALLATION

Customer's Piping	30, 31
Identification of Customer's Piping	32
Approved Locations for Service and Metering Equipment.....	33
a. Outdoor Installations	33
b. Indoor Installations.....	33A
c. Drawing.....	33B

Exhibit “A” was formerly titled “Plumbing Contractor Work Request Form”.

TABLE OF CONTENTS

Note: To access a selection, “click” on the section containing the information your are seeking.

	<u>Page No.</u>
Non-Approved Locations for Service and Metering Equipment.....	34
Seals	35
Removal of Company's Equipment During Building Alterations	35
Demolition	35
Ventilation Requirements	35

SECTION VII - ADEQUACY AND SAFETY - INSTALLATION

Adequacy and Safety.....	36
Repairs - Leakage of Gas	36
Repairs, Stoppages or Pressure Testing.....	36
Back-Pressure and Suction.....	36
a. Scope	36
b. Where Protection is Required	36
c. Gas Pressure Boosters Capable of Developing Elevated Pressure Above Minimum Requires 4-inch Water Column or More.....	36A
Requirements for the Installation of Gas Boosters Micro-turbines and Associated System Protective Devices	36B
Gas Equipment Operation.....	37
Piping Design.....	37
Unsafe Conditions.....	37, 38
Sign for New and Upgraded Multiple Services.....	38A
Retrofits for Conservations.....	39, 40
Gassing-In Customer's Piping.....	40
Adequate Air Supply for Gas Equipment.....	40

SECTION VII A - AESTHETICS 40A

SECTION VIII – SPECIFICATIONS

<u>G-695</u> Supporting Gas Service Regulator and Meters	41
<u>G-316</u> Installation of Class 250TC to Class 1000TC Diaphragm Gas Meters - Indoors.....	44
<u>G-317</u> Installation of Twin Class 250 TC to Class 1000 Diaphragm Gas Meters-Indoors	45

TABLE OF CONTENTS

Note: To access a selection, “click” on the section containing the information your are seeking.

	<u>Page No.</u>
<u>G-413</u> Installation of Gas Service Regulators Indoors (1" to 2").....	46
<u>G-414</u> Installation of Twin Gas Service Regulators.....	47
<u>EO -7043</u> Pipe Type Saddle Support for Gas Regulator Installations.....	48
<u>308657</u> Installation of Parallel Fisher Regulators (2"-EZR and 2" - 1098) with Turbine Meter Indoors and Outdoors 50,000 CFH to 150,000 CFH	48A
<u>361571</u> Installation of Line Pressure 3" to 8" Turbine/Rotary Meters with Parallel 2" Regulators Indoors and Outdoors 15,000 CFH to 150,000 CFH**	48B
<u>361693</u> Installation of Parallel Fisher Regulators with Turbine Meter Indoors and Outdoors 10,000 CFH to 60,000 CFH.....	48C
<u>EO-17118</u> Regulator Vent Installation	48D
<u>G-641</u> Installation of Meter for Class 3,000R to 38,000R Rotary Gas Meter-Indoors	49
<u>365531</u> Installation of Meter Piping for Twin Class 3000R to 38,000R Rotary Gas Meters-Indoors.....	49A
<u>G-8096-8</u> Sealing the Annular Space Between the Gas Service Pipe/Tubing and The Wall Sleeve, Old Service Pipe or Above Ground-Non Concrete Masonry Wall	50
<u>G-8209-3</u> Field Coating of Steel Pipe and Fittings Installed Underground and in Subsurface Structures	51

TABLE OF CONTENTS

Note: To access a selection, “click” on the section containing the information your are seeking.

	<u>Page No.</u>
EO-04718-D Bonding of Compression Couplings and Valves on Steel Mains and Services.....	52
EO-4890-A Service Pipe/Tubing and Service Sleeve Through Vault, Open Areaway, Open Area Under Stairs, Under Enclosed Area and Vaulted Basement	53
EO-12790-B Rigid Sleeve Elbow Unit ¾” to 16” Up to 100 PSIG Maximum Operating Pressure	54
EO-16546-B Installation of Flexible Sleeve Elbow Unit Where Service Enters From Beneath Building - Pressure Not Exceeding 99 PSI.....	54A
EO-14134-C Thermit Weld Process for Attaching Wire to Pipe or Fittings	55
EO-16390-B Installation of Gas Turbine Meter	55A
EO-16511-B Installation of Meter Piping for Class 3000R-TC to Class 23,000R-TC Rotary Meters- Outdoors.....	56
EO-16585-A Installation of Meter Piping for Class 250TC to Class 1000TC Diaphragm Gas Meters- Outdoors.....	57&57B
361100 Installation of Parallel 2" Regulators with rotary Meter Indoors and Outdoors 10,000CFH to 50,000 CFH.....	58
EO-16629-A Installation of Steel Gas Service Piping	59&59A
EO-16641-A Installation of Plastic (Direct Burial or Insertion) Gas Service Piping	60-60C
(4 pages)	

TABLE OF CONTENTS

Note: To access a selection, “click” on the section containing the information your are seeking.

	<u>Page No.</u>
<u>EO-16726-A</u> Installation of 2 to 6 Unit Prefabricated Meters Set For Outdoor Class 250 TC Meters (2 pages).....	61&61Back
<u>EO-16886-B</u> Installation of Multiple Class 250TC Gas Meters - Indoors.....	61A
<u>EO-9580-A</u> Adaptation of Existing Gas Meter Piping Installation for Change in Meter Size.....	62&62-1
<u>G-8094-8</u> Gas Equipment for Dual-Fuel Interruptible Service Under Classification No.12 Priorities AB, C, D, and E	63
<u>G-2041-0</u> Requirements for the Installation of Gas Utilization Equipment That Mixes Pressurized Oxygen with Natural Gas.....	64
<u>G-702-1</u> Inspection, Testing, and Maintenance of Company-Owned Automatic Temperature Control Equipment	64A

SECTION IX- APPROVED GAS SERVICE EQUIPMENT

<u>Condition of Approval</u>	65
<u>Special Requirements</u>	65
<u>Table I</u> - Plug Valves for Service Head Installation.....	66
<u>Table II</u> - Plug Valves for Meter and Regulator Installation.....	67
<u>Table III</u> - Meter Valves	68
<u>Table IV</u> - Meter Bars.....	69
<u>Table V</u> - Swivels and Swivel Caps.....	70

TABLE OF CONTENTS

Note: To access a selection, “click” on the section containing the information your are seeking.

	<u>Page No.</u>
Table VI - Vent Pipe Caps for Regulator and Vent Sleeve Installations.....	71
Table VII - Meter Elbows.....	72
Table VIII - Compression End Fittings for Steel Pipe	73
Table IX - Insulating Adapters and Unions.....	74
Table X - Sleeved Elbow Unit and Floor Support Brace	75
Table XI - Rise Bends (Steel Service Pipe).....	76
Table XII - Anode less Riser Bends (Plastic Pipe)	77
Table XIII - Link Seals.....	78
Table XIV - Flange Insulation Kits	79
Table XV - Thermit Weld Equipment	80
Table XVI - Dual - Fuel Changeover Controls	81
Table XVII - Gas Booster Equipment.....	82
Table XVIII - Protective Equipment for Compressed Oxygen and Natural Gas Mixtures.....	83

IMPORTANT NOTICE
REGARDING
CON EDISON SPECIFICATION

Any change or modification to our specification or Service Layouts **requires the advance approval** from Con Edison.

Our specifications have been designed with great care to assure compliance with all the various codes and safety requirements. Changing anything without prior approval will result in the **job not being accepted**.

Delays will result because the contractor will be required to correct the change, at the contractor's expense.

There is also the possibility that a code or safety violation will be created.

Any change from the type of equipment, the location or point of entrance (POE) requires advance Con Edison approval.

Con Edison representatives are available to discuss any detail while in the planning stage. However, when it is after the fact, you may be required to redo the job to meet Con Edison's specification and service layout requirements.

When Con Edison has assessed the request for service, a Service Request (2-80) will be forwarded to both the applicant and the customer detailing requirements necessary to meet our approval.