

Exterior Appliance  
If Applicable

Length \_\_\_\_\_ Ft.

CSST \_\_\_\_\_" Dia.

Steel \_\_\_\_\_"

Appliance Type

\_\_\_\_\_ BTU's

Existing \_\_\_\_\_

New \_\_\_\_\_

Length \_\_\_\_\_ Ft.

CSST \_\_\_\_\_" Dia.

Steel \_\_\_\_\_"

Appliance Type

\_\_\_\_\_ BTU's

Existing \_\_\_\_\_

New \_\_\_\_\_

Length \_\_\_\_\_ Ft.

CSST \_\_\_\_\_" Dia.

Steel \_\_\_\_\_"

Appliance Type

\_\_\_\_\_ BTU's

Existing \_\_\_\_\_

New \_\_\_\_\_

Length \_\_\_\_\_ Ft.

CSST \_\_\_\_\_" Dia.

Steel \_\_\_\_\_"

Appliance Type

\_\_\_\_\_ BTU's

Existing \_\_\_\_\_

New \_\_\_\_\_

Gas Main —————

Length of Main to farthest Branchline \_\_\_\_\_ Ft.

\_\_\_\_\_ " Dia.

Underground from main at street

Total BTU's for ALL appliances both existing and new \_\_\_\_\_ BTU's

Please indicate all gas appliances both new and existing as well as their respective BTU's  
Appliance Types: Furnace, Hot Water Heater, Fireplace, Oven, Clothes Dryer, Grill  
Fire pit lighters, Pool Heaters, Generator, etc.

The following will need to be verified at the time of inspection:

- o All piping will need to be complete to at least the valve before the appliance for pressure test
- o Piping supported per 2418 and 2424 of the RCO as well as 407 and 415 of the IFGC
- o Pipe joints left exposed for the pressure test per 2417 RCO as well as 406 IFGC
- o CSST (Corrugated Stainless Steel Tubing) if used, installed per manufacturers instructions
- o Piping protected from damage (including bonding) per 2415 RCO and or 404 IFGC
- o Union fittings per 2422 RCO as well as 411 IFGC
- o Valves per 2420 RCO and or 409 IFGC
- o Sediment trap(s) per 2419 RCO and or 408 IFGC
- o Pressure tested per 2417 RCO and or 406 IFGC with gauge supplied and pressurized by contractor and or property owner and witnessed by the City of Mason Building Department
- o Exterior metallic piping protected from corrosive action per 2415 RCO and or 404 IFGC

Note: CSST manufacturers may not list their specific product as a "Flexible Appliance Connector" for moveable appliances, (although both are corrugated, there is a difference)

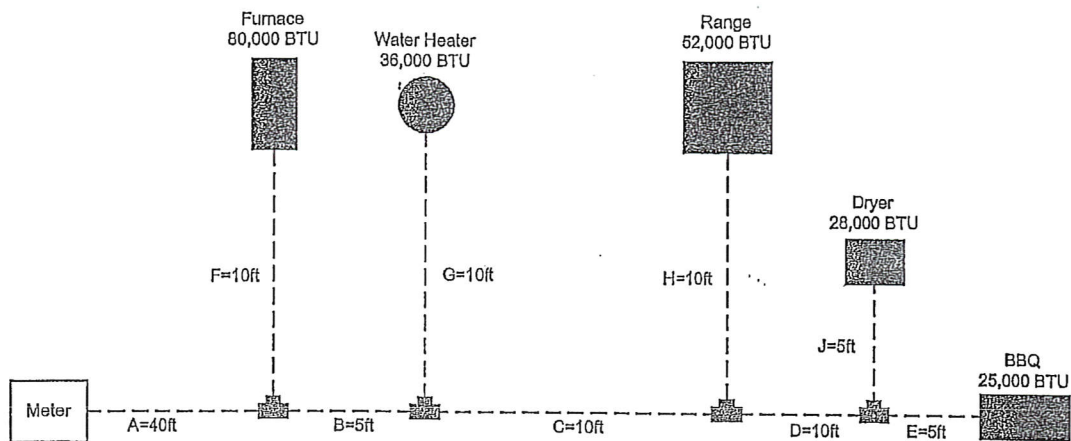
Application No. \_\_\_\_\_

Sheet No.

**1 of 1**

Residential  
Gas Line  
Drawing

# SAMPLE ONLY



| Section Description   | Section Length | Run Length | Tube Size |
|---|----------------|------------|-----------|
| "A" – Trunk   | 40 feet        | 70 feet    |           |
| "B" – Trunk   | 5 feet         | 70 feet    |           |
| "C" – Trunk   | 10 feet        | 70 feet    |           |
| "D" – Trunk   | 10 feet        | 70 feet    |           |
| "E" – BBQ   | 5 feet         | 70 feet    |           |
| "F" – Furnace   | 10 feet        | 50 feet    |           |
| "G" – Water Heater  | 10 feet        | 55 feet    |           |
| "H" – Range   | 10 feet        | 65 feet    |           |
| "J" – Dryer   | 5 feet         | 70 feet    |           |
| Run Length for Trunk Sections = Distance from meter to furthest appliance (Longest Run) |                |            |           |
| Run Length for Appliance Sections = Distance from meter to each appliance               |                |            |           |

## -sizing Run "A"

- Run "A" is sized by the total load of all appliances and the run length from the meter to the furthest appliance
- The total load of all appliances is  $80 + 36 + 52 + 28 + 25 = 221\text{CFH}$
- The run length to the BBQ (furthest appliance) is  $40 + 5 + 10 + 10 + 5 = 70\text{ft}$

## -sizing Run "B"

- Run "B" is sized by the total load of all supplied appliances and the run length from the meter to the furthest appliance
- The total load of the supplied appliances is  $36 + 52 + 28 + 25 = 141\text{CFH}$
- The run length to the BBQ (furthest appliance) is  $40 + 5 + 10 + 10 + 5 = 70\text{ft}$