



## Alliant Energy - Gas Service Manual

### Chapter 6 – Manufactured Homes

**Issued:** 2018

**Supersedes:** 2015

---

#### A. SCOPE

1. Manufactured and mobile homes were redefined by US Department of Housing and Urban Development (HUD) in 1982 and shall be referred to as a “manufactured home” throughout this manual.
2. These homes are defined as that which is built on a permanent steel chassis and designed for use as a dwelling with or without a permanent foundation. This includes single wide homes and double wide homes (etc.).
3. These homes are identified with a label on the side and 1 foot from the corner. This label reads as follows: AS EVIDENCED BY THIS LABEL NO. PFS-00000 THE MANUFACTURER CERTIFIES TO THE BEST OF THE MANUFACTURER’S KNOWLEDGE AND BELIEF THAT THIS MANUFACTURED HOME HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT AND IS CONSTRUCTED IN CONFORMANCE WITH THE FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE. SEE DATE PLATE.
4. A manufactured home that is supported on an all-weather wood, concrete, or concrete block foundation, constructed in accordance with a recognized building code, and permanently connected water and sewer systems can be considered a permanent dwelling.



---

## B. GENERAL

1. The customer shall consult the Company before a manufactured home installation is planned or started. The manufactured home meter and service installation shall be located external to the manufactured home and not under, on, or in the manufactured home.
2. If rebuilding and/or relocation of the gas main, service, or metering equipment are required, the customer may be required to pay the entire cost.
3. Manufactured homes not supported as described in the Scope above must have a manufactured home flex connector approved for outdoor use between the manufactured home and supply piping (NFPA 54, Section 9.6).
4. Each flexible supply connector shall be installed completely outside the manufactured home and skirting in such a manner as to provide for immediate visible inspection and flexibility during frost conditions.
5. The flexible connector shall be no more than 6 feet in length with a capacity rating adequate to supply the connected load (refer to Gas Service to a Single Manufactured Home within this chapter).
6. Exterior piping and piping underneath the manufactured home must be supported in accordance with NFPA 54, Section 7.2.6.
7. The manufacturers listed below provide flexible connectors which meet NFPA 54, Section 9.6 and ANSI Z21.75 and are considered acceptable by the Company. This list does not include all manufacturers that meet these criteria but is intended to provide a sample of sources from which acceptable connectors can be obtained.

<u>Manufacturer</u>	<u>Trade Name</u>
Dormont	Super-Safe
BassCraft	ProCoat
Tru-Flex	Home-Flex



---

### **C. MANUFACTURED HOME PARKS**

1. The gas distribution system in a manufactured home park will be installed and owned by the Company to each metering point. The park owner or customer(s) is responsible for piping from the meter installation to the manufactured home(s).
2. All customer owned metallic fuel gas piping systems shall comply with corrosion control requirements set forth in applicable federal, state and local codes, NFPA 54 and GSM Chapter 5.
3. For suggestions regarding customer owned material, contact the Company.



---

---

## **D. GAS SERVICE TO A SINGLE MANUFACTURED HOME – ADJACENT**

For a meter set adjacent to the manufactured home:

The Company will install, own and maintain:

- 1) Gas service lateral
- 2) Gas service shut off valve
- 3) Gas regulator
- 4) Gas meter connection
- 5) Gas meter
- 6) Fence post
- 7) Fence post clamp

The customer shall own and maintain:

- 8) 1" shut-off valve (provided by the utility)
- 9) All customer piping
- 10) Flexible supply connector

(Refer to next page for figure)

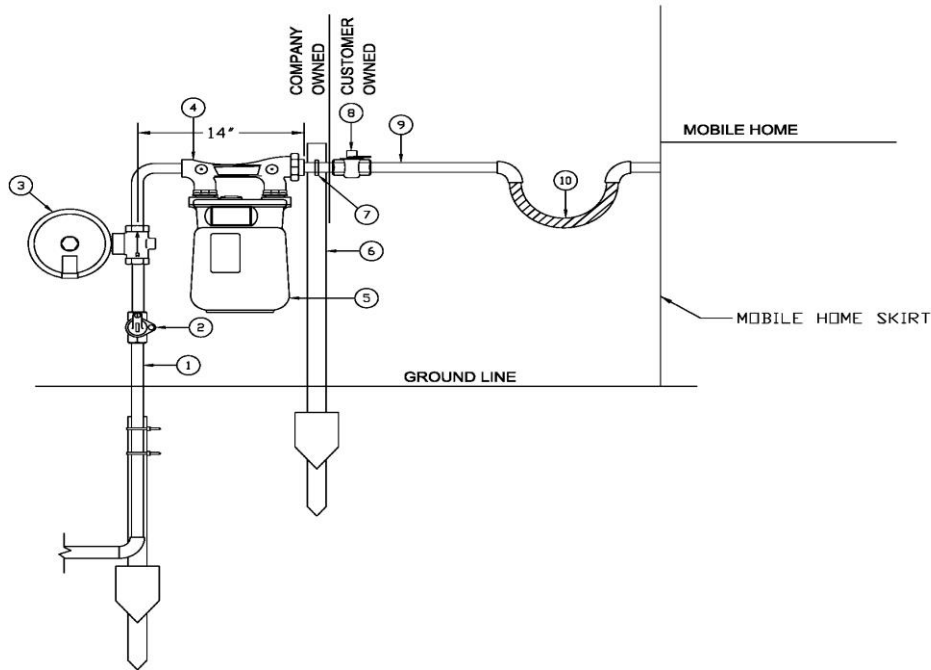
**NOTE:** Shut-off valves on the Company owned side of the figure on the following page may only be operated by Company personnel.

All external customer piping must be securely supported and located where it will be protected from physical damage. Spacing of supports of gas piping and installation shall not be greater than shown in NFPA 54, Table 7.2.6.2. Spacing of supports of CSST shall be in accordance with the applicable CSST manufacturer's instructions.



---

**GAS SERVICE TO A SINGLE MANUFACTURED HOME - ADJACENT (Continued)**





---

## E. GAS SERVICE TO A SINGLE MANUFACTURED HOME – REMOTE

For a remote meter set at a manufactured home:

The Company will install, own and maintain:

- 1) Gas service lateral
- 2) Gas service shut off valve
- 3) Gas regulator
- 4) Gas meter connection
- 5) Gas meter
- 6) Fence post
- 7) Fence post clamp

The customer shall own and maintain:

- 8) 1" shut-off valve (provided by the utility)
- 9) All customer piping
- 10) Flexible supply connector

(Refer to next page for figure)

**NOTE:** Shut-off valves on the Company owned side of the figure on the following page may only be operated by Company personnel.

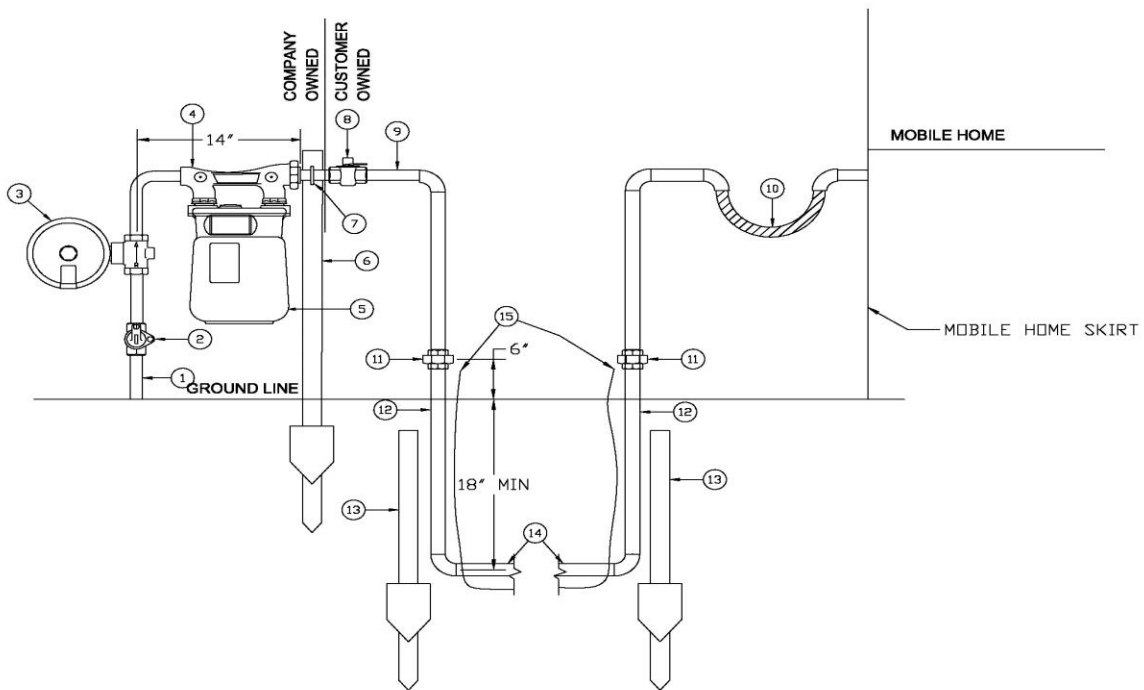
All external customer piping must be securely supported, and located where it will be protected from physical damage. Spacing of supports of gas piping and installation shall not be greater than shown in NFPA 54, Table 7.2.6.2. Spacing of supports of CSST shall be in accordance with the applicable CSST manufacturer's instructions.

Recommended customer piping material:

- 11) 1" Black malleable iron union
- 12) 1" Anodeless preformed riser
- 13) Steel fence post support (to be strapped to riser)
- 14) 1" CTS polyethylene plastic pipe
- 15) Tracer Wire



**GAS SERVICE TO A SINGLE MANUFACTURED HOME - REMOTE (Continued)**





(INTENTIONALLY LEFT BLANK)