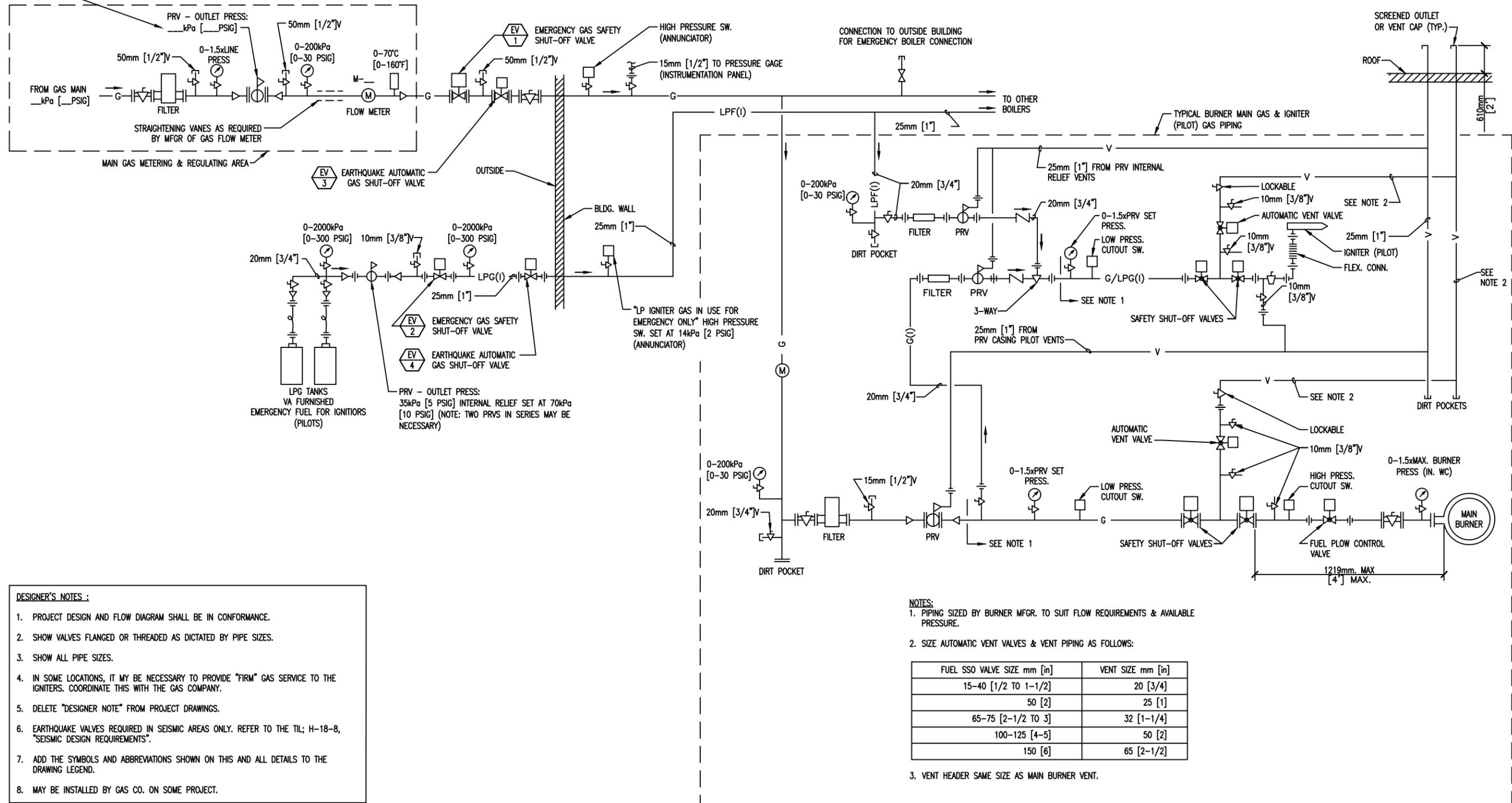


**DESIGNER NOTE:**  
 SET PRESSURE:  
 35kPa [5 PSIG] FOR FIRE TUBE BOILERS  
 70kPa [10 PSIG] FOR WATER TUBE BOILERS  
 (HIGHER PRESSURE MAY BE REQUIRED FOR LOW-NOX BURNERS)



- DESIGNER'S NOTES :**
- PROJECT DESIGN AND FLOW DIAGRAM SHALL BE IN CONFORMANCE.
  - SHOW VALVES FLANGED OR THREADED AS DICTATED BY PIPE SIZES.
  - SHOW ALL PIPE SIZES.
  - IN SOME LOCATIONS, IT MAY BE NECESSARY TO PROVIDE "FIRM" GAS SERVICE TO THE IGNITERS. COORDINATE THIS WITH THE GAS COMPANY.
  - DELETE "DESIGNER NOTE" FROM PROJECT DRAWINGS.
  - EARTHQUAKE VALVES REQUIRED IN SEISMIC AREAS ONLY. REFER TO THE TIL; H-18-8, "SEISMIC DESIGN REQUIREMENTS".
  - ADD THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS AND ALL DETAILS TO THE DRAWING LEGEND.
  - MAY BE INSTALLED BY GAS CO. ON SOME PROJECT.

- NOTES:**
- PIPING SIZED BY BURNER MFR. TO SUIT FLOW REQUIREMENTS & AVAILABLE PRESSURE.
  - SIZE AUTOMATIC VENT VALVES & VENT PIPING AS FOLLOWS:
- | FUEL SSO VALVE SIZE mm [in] | VENT SIZE mm [in] |
|-----------------------------|-------------------|
| 15-40 [1/2 TO 1-1/2]        | 20 [3/4]          |
| 50 [2]                      | 25 [1]            |
| 65-75 [2-1/2 TO 3]          | 32 [1-1/4]        |
| 100-125 [4-5]               | 50 [2]            |
| 150 [6]                     | 65 [2-1/2]        |
- VENT HEADER SAME SIZE AS MAIN BURNER VENT.

DETAIL TITLE: NATURAL GAS AND LIQUEFIED PETROLEUM GAS - BURNER AND IGNITER FUEL STANDARD PIPING DIAGRAM

Department of Veterans Affairs

SCALE : NONE

DATE ISSUED: 11/01/2017

CAD DETAIL NO.: SD235239-03.DWG

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 NTS