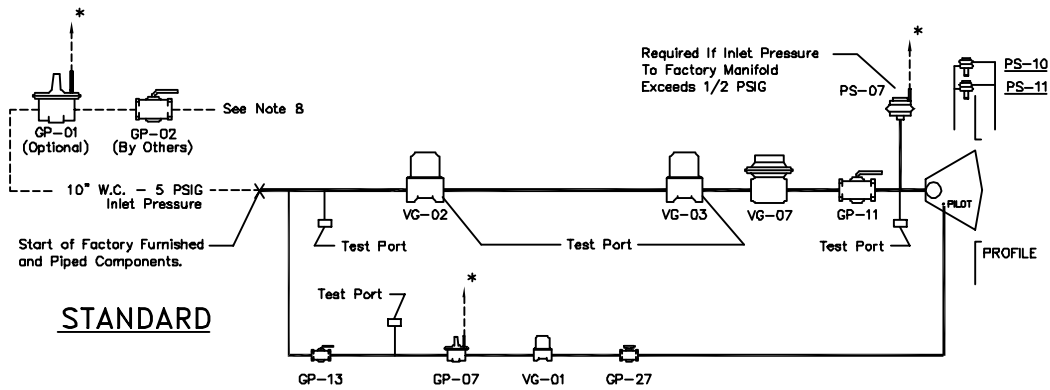


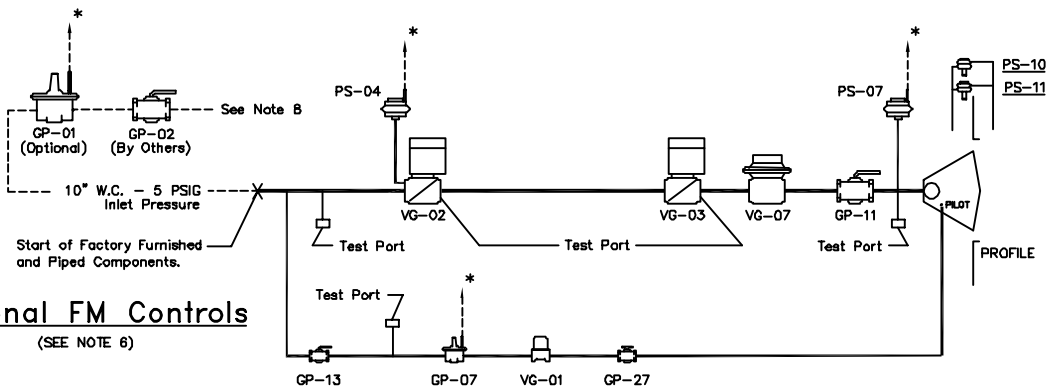
# Gas Piping Layout

## Schematic Component Diagrams

C000148

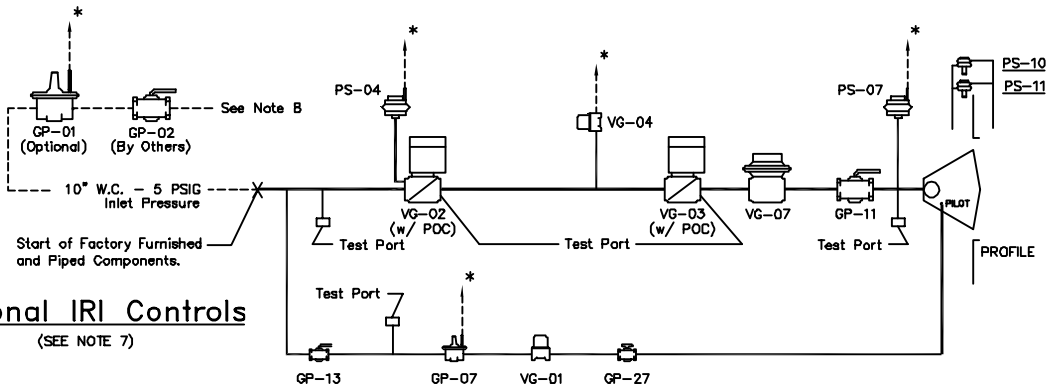


### STANDARD



### Optional FM Controls

(SEE NOTE 6)



### Optional IRI Controls

(SEE NOTE 7)

#### COMPONENT IDENTIFICATION

GP-01	HIGH GAS PRESSURE REGULATOR
GP-02	MAIN GAS SHUT-OFF VALVE
GP-09	PILOT GAS PRESSURE REGULATOR
GP-11	MAIN TEST FIRING SHUT-OFF VALVE
GP-13	PILOT GAS SHUT-OFF VALVE
GP-27	ORIFICED NEEDLE VALVE
VG-01	PILOT GAS VALVE
VG-02	MAIN GAS VALVE
VG-03	AUXILIARY GAS VALVE
VG-04	NORMALLY OPEN VENT VALVE
VG-07	MODULATING VALVE
PS-04	LOW GAS PRESSURE SWITCH
PS-07	HIGH GAS PRESSURE SWITCH
PS-10	HIGH VELOCITY PRESSURE SWITCH
PS-11	LOW VELOCITY PRESSURE SWITCH

#### NOTES:

1. Vent limiting devices provided wherever possible, when venting is required\* the venting to outside is by others on indoor units and furnished by factory on outdoor units.
2. Units with 900 MBH and less use a pressure regulator (not shown) for high fire setting.
3. For inlet pressures under 10" W.C. – Please contact factory.
4. 3,300 MBH and above will require a minimum inlet pressure of 1 PSIG. For inlet pressures under 1 PSIG – Please contact factory.
5. Units that are listed to Z83.4 standard (100% make-up air) carry both ETL and CETL approvals.
6. The standard manifold meets FM requirements for inputs under 2,500 MBH for ETL listed units.
7. The standard manifold meets IRI requirements for ETL listed units.
8. High gas pressure regulator required if inlet pressure exceeds 1/2 PSIG for inputs up to and including 900 MBH or inlet pressures over 5 PSIG for inputs greater than 900 MBH.