NOTES:

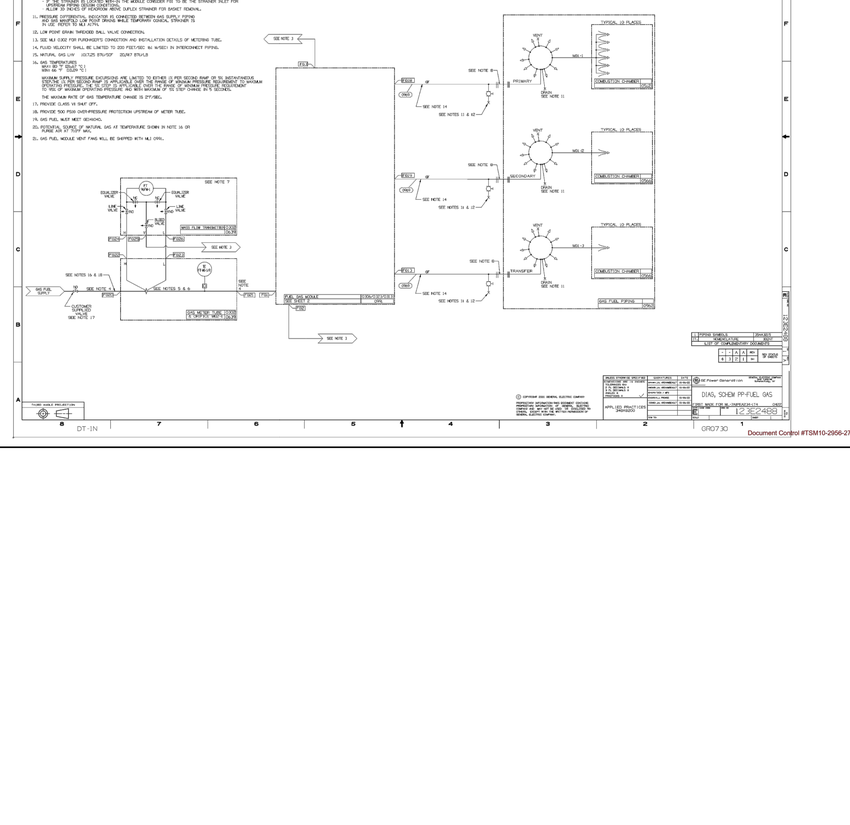
1. SEE 25VA3213 FOR FIELD SYMBOL DEFINITION.
2. SEE DEVICE SUMMARY TBL1 ON P1 FOR DEVICE SETTINGS/RATINGS AND RANGES.
3. SHIPPING POINT IS A POTENTIAL CLOSE-L OU-1 SOURCE OF NATURAL GAS. THE FOLLOWING SHIPPING POINT BOUNDARIES APPLY:
   - ALL PIPING UPSTREAM OF THE SHIPPING POINT IS SHIPPED WITH THE UNIT.
   - ALL PIPING DOWNSTREAM OF THE SHIPPING POINT IS SHIPPED LOOSE FOR FIELD INSTALLATION.
4. FOLLOW NFPA (ALSO-NFPA REPORT) 2 FOR INSTALLATION AND RECOMMENDATIONS FOR PIPE LOADS/FREEZING AND FOLLOWING METER TUBE, VENTS.
5. METER TUBE AND 1 ORIFICE DIAMETER TO BE DETERMINED BY SUPPLIER FOR USING AS ORIFICE SAFETY DATA, PRESSURE DROP FROM P1001 TO P1001 SHALL BE 5 PSID (14 KPAD).
6. BE SUPPLIED EQUIPMENT SPECIFICATION OF P1L, SHALL BE INSTALLED TO MEET SUPPLIED EQUIPMENT REQUIREMENTS OF 1 PSIG (7 KPAG) AT P1 DIVISION 1.
7. RADIO VALVE TO BE NORMALLY OPEN (NO) AND SHALL BE CLOSED DURING TURBINE SHUTDOWN. SEE NOTE 16 FOR SPECIFIC REQUIREMENTS.
8. A STRAINER IS TO BE FIELD INSTALLED BETWEEN THE GAS VALVE AND THE FUEL GAS MANIFOLD AT A PLANNED LOCATION AS CLOSE AS POSSIBLE TO THE MANIFOLD. THE STRAINER SHALL BE INSTALLED WITH THE BLOW-DOWN VALVE AT THE LOWEST POINT. INSTRUCTIONS ARE GIVEN FOR CHANGING THE STRAINER SCREEN. THE STRAINER SHALL BE INSTALLED WITH ADEQUATE SPACE AND PIPING TO ALLOW REMOVAL OF THE STRAINER.
9. CONSULT THE SERVICE MANUAL FOR WHEN TO CHANGE THE STRAINER SHORTTEL.
10. THIS NOTE APPLIES TO SYSTEMS WITH THE FUEL GAS STRAINER LOCATED INSIDE OR OUTSIDE OF THE MODULE.

    THE FOLLOWING GENERAL GUIDELINES SHOULD BE USED FOR PIPING DESIGN:
    - LOCATE THE STRAINER IN A STRAIGHT, HORIZONTAL RUN OF PIPE. PROVIDE A MINIMUM OF 10 PIPE DIAMETERS OF STRAIGHT PIPE UPSTREAM AND 5 DIAMETERS DOWNSTREAM.
    - SPACE ARRANGEMENTS MUST PROVIDE A MINIMUM CLEARANCE OF 1.5 TIMES THE LENGTH OF THE STRAINER BODY TO ALLOW REMOVAL OF THE STRAINER ELEMENT. SEE THE INSTALLATION DRAWING FOR THE STRAINER FOR SPECIFIC PIPING SYSTEM CONDITIONS.
    - ALLOW 30 INCHES OF HEADROOM ABOVE DUPLEX STRAINER FOR BASKET REMOVAL.

11. PRESSURE DIFFERENTIAL INDICATOR IS CONNECTED BETWEEN GAS SUPPLY PIPING AND GAS MANIFOLD LOW POINT DRAINS WHILE TEMPORARY CONICAL STRAINER IS IN USE. REFER TO ALT A7N.
12. LOW POINT DRAIN THREADED BALL VALVE CONNECTION.
13. SEE ALT E3D2 FOR PURCHASER'S CONNECTION AND INSTALLATION DETAILS OF METERING TUBE.
14. FLUID VELOCITY SHALL BE LIMITED TO 200 FEET/SEC (61 M/SEC) IN INTERCONNECT PIPING.
15. NATURAL GAS LHV: (0.725 BTU/SCF (32,167 BTU/LB
16. GAS TEMPERATURE:
    MAY BE "X" DEGREE (°C)
    MAY BE "Y" DEGREE (°C)

    MAXIMUM RIPPLE PRESSURE EXCURSIONS ARE LIMITED TO 83 CMS (3 PER SECOND RAMP OR 10 INSTANTANEOUS STEPS) (3 PER SECOND RAMP (1) APPLICABLE OVER THE RANGE OF MINIMUM PRESSURE REQUIREMENT TO MAXIMUM PRESSURE AND (2) APPLICABLE OVER THE RANGE OF MAXIMUM PRESSURE TO MINIMUM PRESSURE REQUIREMENT TO YOU OF MAXIMUM OPERATING PRESSURE) AND WITH MAXIMUM OF 1% STEP CHANGE (61% SECOND).

    THE MAXIMUM RATE OF GAS TEMPERATURE CHANGE IS 2°F/SEC.
17. PROVIDE CLASS 1A SHUT OFF.
18. PROVIDE 1000 PSIG OVER-PRESSURE PROTECTION UPSTREAM OF METER TUBE.
19. GAS FUEL MUST MEET SECHOND.
20. POTENTIAL SOURCE OF NATURAL GAS AT TEMPERATURE SHOWN IN NOTE 16 OR PLEASE ASK AT POINT MAY.
21. GAS FUEL MODULE VENT FANS WILL BE SHIPPED WITH MLI ONLY.




| REVISIONS | | | |
|---|---|---|---|
| REV | DESCRIPTION | DATE | APPROVED |
| A | ORIGINAL RELEASE PER SERVICE REQUEST | 2019-04-30 | MHLP |

PREVIOUS GPC CHG ONLY:
LIG PART1: 1Z3C2480P001

| DEVICE SUMMARY | | |