



CUSTOMER INSTALLATION RESPONSIBILITIES

- ANT MOUNT & INSTALL ANTENNA
- C1 SUPPLY & INSTALL ANALOG SIGNAL CABLE
- C2 SUPPLY & INSTALL DISCRETE SIGNAL CABLE
- C3 SUPPLY & INSTALL MODBUS TCP/IP COMMUNICATIONS CABLE
- C4 INSTALL CO-AX ANTENNA CABLE
- C9 SUPPLY & INSTALL ANALOG SIGNAL CABLE
- DBBV SUPPLY & INSTALL DOUBLE BLOCK & BLEED ISOLATION VALVE (X2)
- F1 SUPPLY & INSTALL FLARE CONNECTION - 1/2" TUBE
- FIBRE ROUGH INSTALL FIBER (SPECIAL INSTRUCTIONS) SEAL AT AREA CLASSIFICATION CHANGE BOUNDARY
- SL1 INSTALL ET SAMPLE LINE - 1/2" TUBE (LESS THAN 5 Meters)
- SL2 INSTALL ET SAMPLE LINE - 1/2" TUBE (LESS THAN 5 Meters)
- SQ INSTALL SAMPLE QUILL (BY INSIGHT)
- SRP SUPPLY & INSTALL SAMPLE RETURN POINT
- STO SUPPLY & INSTALL SAMPLE TAKE OFF POINT
- SW1 SUPPLY & INSTALL LOCAL POWER SWITCH
- TRV INSTALL THERMAL RELIEF VALVE (SHIPPED LOOSE BY INSIGHT)

POWER REQUIREMENTS

- P1 SUPPLY 120VAC, 1 Ph, 60Ha ANALYZER EMERGENCY POWER (150W)
- P2 SUPPLY 120V, 1 Ph, 60Hz, ENCLOSURE POWER (550W)

ENCLOSURE DESCRIPTION

- WALL-MOUNT ENCLOSURE
- 2" PIPE ENCLOSURE
- EXTERIOR INSTALL (-40°C to +40°C)
- INTERIOR INSTALL (-20°C to +40°C)

ELECTRICAL AREA AT SAMPLE

- CLASS I, ZONE 1, IIB, T3
- CLASS I, DIV. 1, GROUP C&D
- CLASS I, ZONE 2, IIB, T3
- CLASS I, DIV. 2, GROUP D, T2C

ELECTRICAL AREA AIT ANALYZER

- GENERAL PURPOSE
- CLASS I, ZONE 2, IIB, T3
- CLASS I, DIV. 2, GROUP C&D

EQUIPMENT (BY INSIGHT)

- AE ANALYZER ELEMENT (40AE-400A/B)
- ANT OMNI ANTENNA, FOR TELUS CELLULAR LINK (SUPPLY ONLY)
- C4 ANTENNA CABLE (SUPPLY ONLY) (20 Feet)
- IJB ANALOG & DISCRETE JUNCTION BOX
- FIBRE JP3 SINGLE AND MULTIMODE FIBRE
- FSL FLOW SWITCH
- HB HEATED BLANKET AS REQUIRED
- HT HEATER
- LD LOCAL TOUCH SCREEN DISPLAY
- PJB 120VAC POWER JUNCTION BOX
- PT PRESSURE TRANSMITTER
- S1 SEAL (SEAL POUR IS CLIENT RESPONSIBILITY)
- SL1 ELECTRIC TRACED SAMPLE LINE c/w TERMINATION KIT & POWER KIT
- SL2 ELECTRIC TRACED SAMPLE LINE c/w TERMINATION KIT & POWER KIT
- TE TEMPERATURE RTD ELEMENT
- TS THERMOSTAT 10°C
- TIT TEMPERATURE TRANSMITTER
- TRV THERMAL RELIEF VALVE

NOTES:

- 1. SEE FIBER INSTALLATION DETAIL DRAWING # 20200375-E-90-01.

Prepared By:



Engineering and Permit Stamps

REV	REVISION	DATE	BY	CHK	APP
A	ISSUED FOR APPROVAL	2020OCT08	DJI	.	.
B	TAG NO's ADDED & DETAILS REVISED	2020OCT23	DJI	.	.
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Prepared for



SEVEN GENERATIONS - KARR GAS PLANT STREAM 1 SYSTEM BLOCK DIAGRAM			
INSIGHT ANALYTICAL JOB #: 2020-0375			
CLIENT JOB #: U19-105			
DRAWN: DJI	SCALE: NTS	DRAWING No: 20200375-P-10-01	REV: B