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**INSTRUMENT AND EQUIPMENT LIST**

|      | ITEM                       | QTY | DESCRIPTION  |
|------|----------------------------|-----|--|
| HOLD | FE-6000                    | 1   | DANIEL SR 4" 600# METER RUN AGA3 2000, SOUR SERVICE  |
| HOLD | FFSD-6204                  | 1   | TBD  |
|      | HUSD-6201                  | 1   | TBD  |
|      | LC-6000                    | 1   | LEVEL CONTROLLER 2" NPT FISHER L-2 ON/OFF VERTICAL, 1 7/8" X 12" PVC DISPLACER               |
|      | LCV-6000                   | 1   | 1" NPT FISHER D3 c/w ADJUSTABLE TRIM 3/8"  |
|      | LG-6200                    | 1   | LEVEL GAUGE TRANSPARENT, 14" C/C, 15PSI @ 400°F, c/w GAUGE COCKS 3/4" NPT SOUR               |
|      | LG-6000                    | 1   | LEVEL GAUGE QUESTECH 51 TM REFLEX c/w 1-5-VALVES SOUR  |
|      | PI-6100                    | 1   | PRESS GAUGE 1/2" NPT X 4" FACE 0-1500 PSI, BM, LF, DS, SS IN/OUT                             |
| HOLD | PI-6200/6201               | 2   | PRESS GAUGE 1/2" NPT X 2 1/2" FACE 0-30 PSI, BM, LF, DS, SS IN/OUT                           |
|      | PI-6300                    | 1   | PRESS GAUGE 1/2" NPT X 2 1/2" FACE 0-300 PSI, BM, LF, DS, SS IN/OUT                          |
|      | PRV-6300                   | 1   | 1" NPT FISHER 627 REGULATOR, 5-20 PSI SET POINT, STEEL BODY, SWEET                           |
|      | PRV-6301 PRV-6302 PRV-6303 | 3   | 1/4" NPT FISHER 67 CFR REGULATOR 0-35 PSI MAWP 250 PSI, SWEET                                |
|      | PRV-6305                   | 1   | FISHER MODEL 912 INSTRUMENT GAS REGULATOR 1/4" FNPT CONNECTIONS, 7-11" WC SPARGE GAS CONTROL |
|      | PRV-6306                   | 1   | FISHER 627 1" NPT 1/4" TRIM SET 70-150 PSI SWEET SERVICE                                     |
| HOLD | PSV-6100                   | 1   | 2" NPT X 2" NPT SAFETY VALVE, STD, SET @ 1440PSI SOUR, TBD BY CLIENT                         |
|      | PSV-6200                   | 1   | 1" X 1" NPT TAYLOR 8200 PRESS SAFETY VALVE STD, SET @ 25 PSI, SOUR                           |
|      | PSV-6300                   | 1   | 1" X 1" NPT TAYLOR 8200 PRESS SAFETY VALVE STD, SET @ 250 PSI, SWEET                         |
| HOLD | SDV-6201                   | 1   | TBD  |
| HOLD | TC-6200                    | 1   | TBD  |
|      | TH-6200                    | 1   | WENCO MODEL TH-B, RELIEF HATCH 8 OZ PRESS, 0.4 OZ VACUUM SOUR                                |
|      | TI-6100                    | 1   | -40 TO 120°F X 4" STEM, 3" DIAL c/w 304 SS THREMOWELL 3/4" X 1/2" X 4"                       |
| HOLD | TI-6200                    | 1   | 0 TO 500°F X 4" STEM, 3" DIAL c/w 304 SS THREMOWELL 3/4" X 1/2" X 4"                         |
| HOLD | TCV-6200                   | 1   | TBD  |

**VALVE LIST**

|              |   |  |
|--------------|---|--|
| BALL VALVE   | 6 | 1" NAVCO C1 NPT 2000# RP BALL VALVE SS                 |
| BALL VALVE   | 4 | 3/4" NAVCO C1 NPT 2000# RP BALL VALVE SS               |
| BALL VALVE   | 2 | 1/2" NAVCO C1 NPT 2000# RP BALL VALVE SS               |
| BALL VALVE   | 1 | 1/4" NAVCO NPT 2000# RP BALL VALVE                     |
| NEEDLE VALVE | 1 | 1/2" 6000# NEEDLE VALVE SS, FXF, NPT                   |
| NEEDLE VALVE | 2 | 1/4" 6000# NEEDLE VALVE SS, FXF, NPT                   |
| CHECK VALVE  | 1 | 1" PISTON CHECK VALVE CLASS 800# SOCKET WELD, STD SOUR |
| GATE VALVE   | 8 | 1" GATE VALVE 800# CLASS SOCKET WELD, STD SOUR         |
| GLOBE VALVE  | 2 | 1" GLOBE VALVE 800# CLASS SOCKET WELD, STD SOUR        |

HOLD

**ON HOLD VALVE LIST**

|              |   |  |
|--------------|---|--|
| BALL VALVE   | 3 | 1" NAVCO H1 NPT 2000# RP BALL VALVE C.S          |
| BALL VALVE   | 5 | 1/2" NAVCO C1 NPT 2000# RP BALL VALVE SS         |
| BALL VALVE   | 5 | 1/4" NAVCO NPT 2000# RP BALL VALVE               |
| NEEDLE VALVE | 7 | 1/4" 6000# NEEDLE VALVE SS, FXF, NPT             |
| CHECK VALVE  | 1 | 1/4" SWING CHECK VALVE MIN FXF NPT WHEATLEY SOUR |
| CHECK VALVE  | 1 | 1/2" CHECK VALVE 2160 PSI WHEATLEY SOUR          |
| GATE VALVE   | 2 | 1" GATE VALVE 800# CLASS SOCKET WELD, STD SOUR   |
| GLOBE VALVE  | 2 | 1" GLOBE VALVE 800# CLASS SOCKET WELD, STD SOUR  |
| Y-STRAINER   | 2 | 1" STRAINER 800# CLASS SOCKET WELD, STD SOUR     |

**NOTES:**

- TUBING FITTINGS: 316SST, PARKER A-LOK.
- TUBING: 316SST, WELDED, 3/8" TO BE 0.035" WALL, 1/2" TO BE 0.049" WALL.
- ALL THREADED FITTING: 3000#, SA-105N
- ALL THREADED PROCESS PIPING: SCH.160, SA-106-B  
SOCKET WELDING PIPING & FUEL GAS THREADED PIPING: SCH. 80/XH, SA-106-B
- BUTT WELDING PIPE: 2" SCH/160, 3" AND LARGER SCH 80, SA-106-B
- BUTT WELDING FITTING: SCHEDULE SAME AS PIPE, SA-234-WPB/SA-105N
- ALL GASKET FLEXICARB 316 SST, ALL BOLTING SA-193-B7M, SA-194-2HM
- BUTT WELDED PIPING: 100% X-RAY PWHT, 0.125" C.A.
- HOLD PAINT SPEC: SURFACE PREP.: SSPC-SP#3 (MECHANICALLY CLEANED)
- SKID AND PIPING PAINT: ONE COAT PRIMER & ONE COAT FINISH WARM GREY DTM
- BUILDING:
  - 10'-0" WIDE X 18'-0" LONG, SHOP FIT EAVE, SELF FRAMER SHED STYLE
  - 22 GAUGE GALVANIZED EXTERIOR
  - 24 GAUGE ALUMINUM INTERIOR
  - R-12 INSULATION IN WALLS AND ROOF
  - (2) 3'-0" x 7'-0" MAN DOORS c/w WIREGLASS, PANIC-LOCK
  - (1) 40" x 40" SLIDING WINDOW c/w SCREEN LATCH
  - (2) 12" x 12" SLIDING LOUVERS
- OVERALL DIMENSIONS: 25'-1" L x 11'-4" W x 3'-4" H
- SHIPPING DIMENSIONS: 22'-7" L x 11'-4" W x 12'-6" H
- SHIPPING WEIGHT: 27,500 lbs (12,474 kg)

NOTES:

| REFERENCE DRAWINGS | REV | DESCRIPTION             | BY | DATE     | CHK'D | APP'D |
|--------------------|-----|-------------------------|----|----------|-------|-------|
| PID-01             | 0   | ISSUED FOR CONSTRUCTION | LL | 17-08-24 | BX    | DG    |

**ENGINEER'S STAMP**

|          |              |           |
|----------|--------------|-----------|
| DRAWN BY | EB           | 17-07-05  |
| CHK'D BY | BX           | 17-07-05  |
| APP'D BY | DG           | 17-07-05  |
| CAD REF  | 30086-PID-02 | SCALE NTS |

CLIENT

STOCK



|         |   |             |              |
|---------|---|-------------|--------------|
| TITLE   | 24" OD X 28'-0" S/S 1440 PSI AB SOUR DEHY. PACKAGE PIPING & INSTRUMENTATION DIAGRAM - BOM |             |              |
| JOB NO. | 30086   | DRAWING NO. | 30086-PID-02 |
| REV     |   |             | 0            |