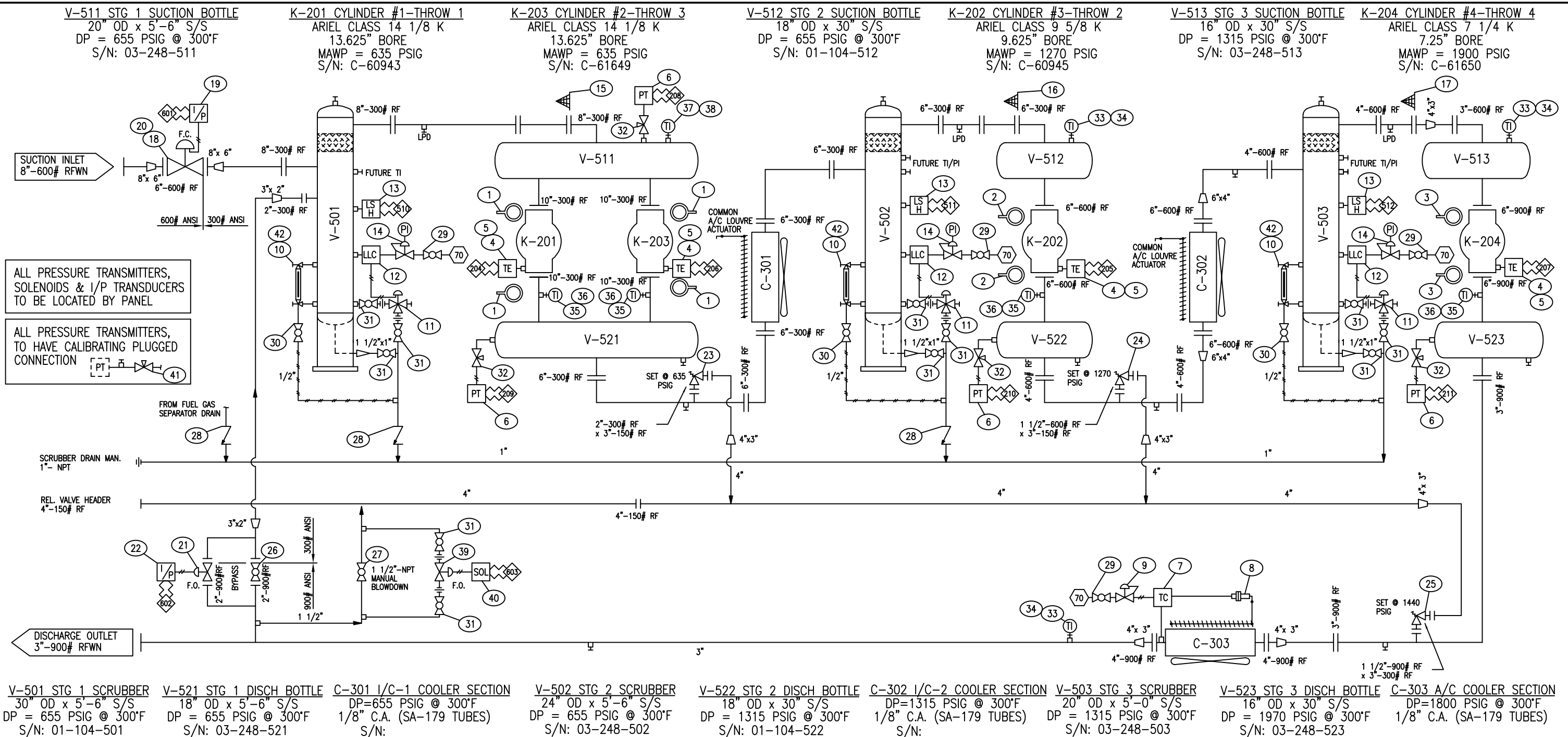




### ELECTRICAL TERMINATIONS

|     |                                          |     |                                   |     |                                       |
|-----|------------------------------------------|-----|-----------------------------------|-----|---------------------------------------|
| 100 | HIGH TEMP ENGINE AIR MANIFOLD RIGHT BANK | 141 | HIGH TEMPERATURE ENGINE J.W.      | 223 | LUBRICATOR NO FLOW SWITCH (LEFT)      |
| 101 | HIGH TEMP ENGINE AIR MANIFOLD LEFT BANK  | 143 | LOW LEVEL E.J.W. SURGE TANK       | 224 | HIGH TEMP COMPRESSOR OIL              |
| 102 | ENGINE MANIFOLD PRESSURE RIGHT BANK      | 146 | LOW LEVEL T.A.W. SURGE TANK       | 244 | VIBRATION COMPRESSOR                  |
| 103 | ENGINE MANIFOLD PRESSURE LEFT BANK       | 150 | VIBRATION ENGINE                  | 300 | VIBRATION COOLER                      |
| 111 | GOVERNOR SPEED CONTROL SIGNAL            | 153 | ENGINE OVERSPEED                  | 510 | HIGH LIQUID LEVEL SCRUBBER STG. ONE   |
| 112 | FUEL GAS VALVE SIGNAL                    | 160 | 12X ENGINE CYLINDER TEMP          | 511 | HIGH LIQUID LEVEL SCRUBBER STG. TWO   |
| 113 | ENGINE CRANK SIGNAL                      | 204 | HIGH DISCHARGE TEMP. CYLINDER #1  | 512 | HIGH LIQUID LEVEL SCRUBBER STG. THREE |
| 114 | FUEL FILTER HIGH LIQ.LEVEL               | 205 | HIGH DISCHARGE TEMP. CYLINDER #2  | 601 | SUCTION CONTROL VALVE SIGNAL          |
| 115 | AFRC SOLENOID (LEFT)                     | 206 | HIGH DISCHARGE TEMP - CYLINDER #3 | 602 | AUTO BYPASS VALVE SIGNAL              |
| 116 | AFRC SOLENOID (RIGHT)                    | 207 | HIGH DISCHARGE TEMP. CYLINDER #4  | 603 | AUTO BLOWDOWN VALVE SIGNAL            |
| 117 | ENGINE EXHAUST HIGH TEMP                 | 208 | SUCTION PRESSURE STG. ONE         |     |                                       |
| 119 | OXYGEN SENSOR LEVEL                      | 209 | DISCHARGE PRESSURE STG. ONE       |     |                                       |
| 121 | AUX LUBE PUMP SIGNAL (ENGINE & COMP)     | 210 | DISCHARGE PRESSURE STG. TWO       |     |                                       |
| 124 | CATALYTIC CONVERTER TEMP                 | 211 | DISCHARGE PRESSURE STG. THREE     |     |                                       |
| 130 | HIGH TEMPERATURE ENGINE OIL              | 220 | LOW PRESSURE COMPRESSOR OIL       |     |                                       |
| 131 | LOW PRESSURE ENGINE OIL                  | 221 | LOW LEVEL COMPRESSOR OIL          |     |                                       |
| 132 | LOW LEVEL ENGINE OIL                     | 222 | LUBRICATOR NO FLOW SWITCH (RIGHT) |     |                                       |

### PNEUMATIC TERMINATIONS

70 INSTRUMENT GAS

### GENERAL NOTES

#### 1. INSTRUMENTATION

- INSTRUMENT MEDIUM TO BE CLEAN DRY FUEL GAS
- CONTROL PANEL POWERED BY 24 V DC - CUSTOMER SUPPLIED
- PROCESS TUBING TO BE 3/8" OD x .035" w.t. 316SS
- FITTINGS TO BE 316SS c/w SS FERRULES
- INSTRUMENT TUBING TO BE 1/4" OD x .035" w.t. 316SS
- FITTINGS TO BE 316SS c/w SS FERRULES
- LUBE OIL TUBING TO BE OD AS NOTED x .035" w.t. 316SS
- FITTINGS TO BE 316SS c/w SS FERRULES
- TUBING RUNS IN TRAFFIC AREAS SHALL BE PROTECTED WITH REMOVABLE COVER
- ON SKID TUBING BY BIDELL
- N.I. WIRING TO BE PROTECTED IN RIGID ALUMINUM CONDUIT

#### 2. PROCESS PIPING

- CONSTRUCTED IN ACCORDANCE WITH ANSI B31.3
- HYDROSTATIC TESTED TO 1.5 x DESIGN PRESS. @ AMBIENT
- CORROSION ALLOWANCE = 0.125 INCHES
- RADIOGRAPHIC EXAMINATION = 100%
- STRESS RELIEVED - 1150°F ±25°F FOR 1 HR
- INTERNALLY PICKLED & RUST PROTECTED
- EXTERNALLY PICKLED
- ALL FLANGED RELIEF VALVES SHALL BE BRACED BACK TO PIPING OR VESSEL
- PIPING TO BE ANCHORED TO STRUCTURAL MEMBER WITH BIDELL STANDARD STRAP TYPE HEAVY DUTY CLAMPS (NO "U-BOLT" TYPE)
- PROCESS SCREWED CONNECTIONS SHALL BE 3000# F.S. THREADOLETS

#### 3. PROCESS PRESSURE VESSELS

- CONSTRUCTED IN ACCORDANCE WITH ASME SECTION VIII, DIV. 1
- HYDROSTATIC TESTED TO 1.3 x DESIGN PRESS. @ AMBIENT
- CORROSION ALLOWANCE = 0.125 INCHES
- RADIOGRAPHIC EXAMINATION = FULL PER UW-11(a), RT-1
- STRESS RELIEVED - 1150°F ±25°F FOR 1 HR
- EXTERNALLY PICKLED
- INTERNALLY PICKLED & RUST PROTECTED
- SCREWED CONNECTIONS ON VESSELS SHALL BE 3000# F.S. THREADOLETS
- CRN'S REQ'D FOR AB, BC & SK
- PULSATION BOTTLES c/w REPADS

#### 4. OTHER NOTES

- UNIT c/w 3 TON OVERHEAD BRIDGE CRANE

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| REV | DATE     | BY | APPR | DESCRIPTION             |
|-----|----------|----|------|-------------------------|
| B   | 04-07-19 | BK | LT   | AS BUILT                |
| A   | 04-05-14 | TW | LT   | ISSUED FOR CONSTRUCTION |
| O   | 04-05-07 | TW | LT   | ISSUED FOR APPROVAL     |

#### REVISIONS

|                              |  |                                                                                                 |
|------------------------------|--|-------------------------------------------------------------------------------------------------|
| <b>BIDELL EQUIPMENT</b> Inc. |  | 6900 - 112th AVENUE S.E.<br>CALGARY, AB T2C 4Z1<br>PHONE: (403) 235-5877<br>FAX: (403) 272-7749 |
| GAS COMPRESSION              |  |                                                                                                 |

|                                                              |  |                      |  |
|--------------------------------------------------------------|--|----------------------|--|
| PROCESS FLOW DIAGRAM                                         |  |                      |  |
| WAUKESHA 7042GSI / ARIEL JGK/4 / AIR-X-HEMPHILL 144EF        |  |                      |  |
| CUSTOMER: CAVELL ENERGY CORPORATION c/o SEIDLITZ ENGINEERING |  | JOB#: 03-248         |  |
| LOCATION: 2-2 COMPRESSOR                                     |  | LSD: 02-02-69-03 W5M |  |
| SERVICE: SOUR SERVICE (<2% H2S)                              |  |                      |  |

|     |          |       |            |     |
|-----|----------|-------|------------|-----|
| DWN | DATE     | SCALE | DWG#       | REV |
| TW  | 04-05-07 | NTS   | 03-248-700 | B   |