

NOTES:

1. QUANTITIES IN B.O.M. ARE FOR ONE (1) UNIT.
2. ALL PIPING TO BE IN ACCORDANCE WITH THE LATEST EDITION OF ASME B31.3 PRESSURE PIPING CODE.
3. VESSEL TO BE FABRICATED TO THE LATEST EDITION OF ASME SECTION VIII, DIVISION 1 PRESSURE VESSELS.
4. TUBING DETAILS: 3/8" (0.375") 316 SS TUBING - INSTRUMENTS
1/2" (0.625") 316 SS TUBING - PROCESS
3/4" (0.750") 316 SS TUBING - VENTING
c/w 316 SST SWAGelok FITTINGS AND FERRULES
5. PAINTING: SURFACE PREP: MECHANICALLY CLEANED TO SSPC-SP3, (COMMERCIAL BLAST TO SSPC-SP6 - VESSEL)
PRIMER: ONE (1) COAT DEVCO GREY FAST DRY
PAINT: ONE (1) FINISH COAT DEVCO GREY ENAMEL
6. PIPING DETAILS: CL600: BUTT WELDED: SA-106B, NPS 2" - 8", Sch.80
THREADED: SA-106B, NPS 1/2" - 2", Sch.160
CL150: BUTT WELDED: SA-106B, NPS 2" - 6", Sch.40 MINIMUM
THREADED: SA-106B, NPS 1/2" - 2", Sch.80
7. FITTING DETAILS: CL600: BUTT WELDED: SA-234-WPB, NPS 2" - 8", Sch.80
THREADED: SA-105N, NPS 1/2" - 2", CL3000
CL150: BUTT WELDED: SA-234-WPB, NPS 2" - 6", Sch.40 MINIMUM
THREADED: SA-105N, NPS 1/2" - 2", CL3000
8. PIPE MAMP: 2" - 8" Sch.80 BUTTWELDED c/w CL600 FLANGES @ 100F IS 1480 PSIG c/w 1/16" C.A.
2" - 6" Sch.40 BUTTWELDED c/w CL150 FLANGES @ 100F IS 285 PSIG c/w 1/16" C.A.
9. FLANGE HOOK-UP: STUDS: SA-193-B7M
NUTS: SA-194-2HM
GASKETS: 316 S.S.T
10. HYDROTEST: 1.5X DESIGN PRESSURE, AS PER ASME B31.3
11. RADIOGRAPHY: 15% X-RAY, BUTT WELDED PIPING
12. BUILDING: SIZE: 30'-0" LONG x 14'-0" WIDE x 13'-6" LOW EAVE x 15'-10" HIGH WALL
STYLE: GABLE - 4:12 PITCH
WALLS: 22 GAUGE GALVALUME EXT., 24 GAUGE FLUTED ALUMINUM INT.
WALL INSULATION: R-12
ROOF INSULATION: R-20
VAPOR BARRIER: 2 MIL. POLYURETHANE
VENTILATION: TWO (2) 12" x 12" ADJUSTABLE LOUVER c/w SCREEN (HIGH/LOW MOUNT)
DOORS: TWO (2) 3'-0" WIDE x 7'-0" HIGH c/w KING WINDOW, CHECK CHAIN, PANIC-LOCK, WEATHER-STRIPPING, CANOPIES
WINDOWS: THREE (3) 36"x48" DOUBLE GLAZED SLIDING c/w SCREEN
EAVES & DOWNSPOUT: NONE
ICE RAKES: YES
EXHAUST FAN: ONE (1) ET12-1, 120/1/60, c/w SCREEN & WEATHERHOOD
REMOVABLE PANEL: ONE (1) 3'-0" WIDE x 10'-0" HIGH (SEE LAYOUT)
13. P.E.N.G STAMPED BUILDING.
14. SKID TO HAVE 2" HIGH DRIP UP, STD. PES FLOOR DRAIN (WITH BALL VALVE)
15. PROTECT ALL OPENINGS FOR SHIPMENT
16. GROUNDING AS PER CONOCO SPEC.
17. INSTRUMENT VENTING: FE-100, MAINFOLD, LV-100/101, PRV-100/101 TO VENT HEADER.
HEATER PCV's, PCV-200 TO VENT OFF-SKID INDIVIDUALLY.
18. SKID WEIGHT: 13,650 lbs; VESSEL WEIGHT 77,000 lbs; TOTAL PACKAGE WEIGHT: 108,000 lbs (SEE DWG 8590SKD)
19. 2" THK URETHANE UNDER SKID SPRAY FOAM INSULATION.

TAPPED & BLIND FLANGES

| TAPPED & BLIND FLANGES | | |
|------------------------|------|--|
| SIZE/RATING | QTY. | DESCRIPTION |
| 3"CL600 | 1 | TAPPED 2"NPT HUB FLANGE (N3) |
| 2"CL600 | 4 | TAPPED 1"NPT HUB FLANGE (N4, N7, N10A/B) |
| 2"CL600 | 1 | TAPPED 1/2"NPT HUB FLANGE (N12) |
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| | | |

STAMPS & APPROVALS

BILL OF MATERIALS

| MAG | | DESCRIPTION | | MAG | | DESCRIPTION | |
|--------------------|------|-------------|---|---------|------|-------------|---|
| MAG | QTY. | MAG | QTY. | MAG | QTY. | MAG | QTY. |
| ISM-100 LSL-100 | 2 | LINC | | FE-100 | 1 | CANALTA | |
| | | | ELECTRIC LEVEL SWITCHES, MODEL L471, 2" NPT, 316 SST FLAT & BODY, SHAP, 1800 PPM WAVE, (ELECTRONIC BY OTHERS) L40H - DIRECT, L40L - REVERSE 6" LINC MODEL, 700 GAGES, 1" PROCESS CONN | | | | 6" QLAB, 804 80, 504R SERVICE, FLANGED UP & DOWN, 12" OAL, BUL.T TO AGA 2000 SPEC, ONE(1) - 1" T.O.L. & ONE(1) SW T.O.L. DRG, 6" CBA FLOW CONDITIONER |
| BR-101 | 1 | - | 2-QLAB 1" FLEED RING, 1 1/2" THK, SWEET SERVICE | LI-100 | 1 | ROSEKOUNT | MODEL 3061CQ LEVEL, TRANSmitters, 4-20 mA OUTPUT, 504R SERVICE, 1/2" NPT, 316 SS DIAPHRAGM, CBA APPROVED, XP |
| BOV-101 | 1 | FISHER | 1" NPT, D-3 CONTROL VALVE AND ACTUATOR, ADL OFFICE, PMA OPER, MAGE COMPLANT, 0-25 PPM | PII-100 | 1 | ROSEKOUNT | MODEL 3061TG, 504R SERVICE, 316 SS DIAPHRAGM, CBA APPROVED, 4-20 mA OUTPUT, 1/2" NPT, CBA APPROVED, XP |
| FE-120 FOI-120 | 1 | NUFLO | 2-QLAB 1/2" 2" WAFER STYLE TURBINE METER, 40-500 GPM CAP, MAG PICKUP & MOUNTING HANDWAVE, NC IN TOTALIZER, 4-20 MA OUTPUT | | | | |
| | | | | MT-100 | 1 | BRISTOL | MODEL 3809-304-142-111-109-120-101 TRANSmitters, 2-0/250/400 SPEC, 0/250/400 |

VALVE LISTING

[illegible][illegible]