



BILL OF MATERIAL		
INSTRUMENT LIST		
ITEM	QTY	DESCRIPTION
AS-100	1	PETERSON SA-77, SAMPLER SYSTEM, 1440 PSI MAWP c/w PTFE SAMPLE JAR MODEL# SA-77SXPPXHP
EY-101	1	ASCO EFB320G200 24VDC 3 WAY SOLENOID VALVE
FY-101	1	AMOT 4057-CP 3 WAY MANUAL RESET
FE-101	1	DANIEL 2" 600# SR METER RUN c/w PIN TYPE FLOW CONDITIONER, 48" F/F
FE-100 FQI-100	1	NUFLO 2" 600# WAFER STYLE EZ-IN TURBINE METER, 7/8" INTERNALS (& 1000-1000 BBL/DAY), c/w MAGNETIC PICK UP, CENTRALIZERS, EXTENSION (M011 TOTALIZER, LOCAL DISPLAY ONLY
FY-100	1	FISHER I2P TRANSDUCER EX PROOF 4-20 MA, 6-30 PSI, CSA CLASS 1, DIV.1
FY-110	1	FISHER 670 AUTO MANUAL STATION c/w 2-GAUGES, CHANGEOVER VALVE & LOADING HAND WHEEL
LC-101	1	FISHER L2 c/w VERTICAL DISPLACER, SNAP ACTING
LCV-101	1	FISHER D4 2" NPT 1 1/4" TRIM, FAIL CLOSE
LG-101	1	QUALITY OR EQUAL SR 1R1L REFLEX LEVEL GAUGE c/w GAUGE VALVES
PC-100	1	FISHER C1 PRESSURE CONTROLLER, R.A., 0-1500 PSI, 6-30 PSI OUTPUT
PCV-100	1	FISHER D4 2" 600# RF CONTROL VALVE, 0-35 PSI, 1"-M-FORM TRIM, F.C.
PSHL	1	CVS 7970 HIGH/LOW PRESSURE PILOT, SET RANGE 10-10,000 PSI, 1/2" MNPT PROCESS CONNECTION, 1/4" FNPT INSTRUMENT CONNECTION c/w MANIFOLD 6 CVS 4057-CP MANUAL LATCHING RELAY PART#CVS40573HA220CVS
PCV-101	1	FISHER D4 2" 600# RF c/w 1" TRIM, FAIL CLOSE
PI-101/102/103	3	WESTERN 0-1500 PSI 4" FACE BM, LF, DS, SST IN/OUT
PI-200	1	1/4" BM, LF, DS, 0-300 PSI 2 1/2" FACE SST IN/OUT
PI-210	1	WESTERN OR EQUAL PRESSURE GAUGE, 2 1/2" FACE, 0-50 PSI, DS, 1/4" BM CONNECTION
PSV-101	1	TAYLOR 2" MNPT X 2" FNPT, SET @ 1440 PSI
PSV-200	1	TAYLOR MODEL 8200, 1" MNPT x 1" FNPT, SET @ 250 PSI
PRV-101/102	2	FISHER 67 CFR 0-35 PSI OUTPUT
PRV-110/120 /130	3	FISHER 67 CFR REGULATORS 0-120 PSI OUTPUT SWEET
PRV-200	1	FISHER 627 1" NPT 1/4" ORIFICE 70-150 PSI
TI-101	1	-40° TO 160°F 3" DIAL DS X 4" STEM c/w 3/4" X 1/2" X 4" 316 TW
VALVE LIST		
ITEM	QTY	DESCRIPTION
BALL VALVE	4	3" 600# FP BALL VALVES SWEET WKM DYNEASEAL
BALL VALVE	6	2" 600# RP BALL VALVES SWEET WKM DYNEASEAL
BALL VALVE	6	2" 2000# BALL VALVES WKM DYNEASEAL
BALL VALVE	1	1" 2000# BALL VALVES WKM DYNEASEAL
BALL VALVE	2	3/4" 2000# BALL VALVES WKM DYNEASEAL
BALL VALVE	4	1/2" 2000# R.P. BALL VALVES WKM DYNEASEAL
BALL VALVE	2	1/2" 2000# FULL PORT BALL VALVES WKM DYNEASEAL
BALL VALVE	9	1/4" 3000# BALL VALVES SWEET WKM
CHECK VALVE	1	2" 600# CHECK VALVE SWEET WHEATLEY OR EQUAL
CHECK VALVE	1	2" NPT CLASS 800 CHECK VALVE WHEATLEY OR EQUAL
CHECK VALVE	1	1/2" NPT CLASS 800 CHECK VALVE WHEATLEY OR EQUAL
GLOBE VALVE	1	1/2" NPT GLOBE VALVE
NEEDLE VALVE	7	1/2" Fx 6000# NEEDLE VALVES WESTERN OR EQUAL
NEEDLE VALVE	1	1/4" Fx 6000# NEEDLE VALVES WESTERN OR EQUAL
Y-STRAINER	1	2" NPT CLASS 800 Y- STRAINER SWEET
THR'D FLANGE	2	2" 600# RF THR'D FLANGES c/w 2 SETS OF GASKET & 1 SET 5/8"ø x 7" LG STUD/NUTS (FOR FQI-100)

NOTES:

1. TUBING FITTINGS: CAD PLATED, PARKER A-LOK.
2. TUBING: 304SS, WELDED.
3. ALL THREADED FITTING: 3000#, SA-105N
4. ALL THREADED PIPE AND NIPPLES: SCH 80, SA-106-B
5. WELDED PIPE: 2" AND LARGER TO BE SCH/80, SA-106-B
6. WELDED FITTING: SCHEDULE SAME AS PIPE, SA-234-WPB/SA-105N
7. ALL GASKET FLEXICARB 316 SST, ALL BOLTING SA-193-B7, SA-194-2H
8. WELDED PIPING: 10% X-RAY, PWHT NOT REQUIRED, 0.0625" C.A., SWEET SERVICE
9. PAINT SPEC: SURFACE PREP.: SSPC-SP#3 (MECHANICALLY CLEANED)
10. SKID AND PIPING PAINT: ONE COAT PRIMER & ONE COAT FINISH WARM GREY DTM
11. BUILDING:
 - 9'-0" WIDE X 16'-0" LONG, SHOP FIT EAVE, SELF FRAMER SHED STYLE
 - 22 GAUGE GALVANIZED EXTERIOR
 - 24 GAUGE ALUMINUM INTERIOR
 - R-12 INSULATION IN WALLS AND ROOF c/w 4 mil POLY VAPOR BARRIER
 - (1) 6'-0" x 7'-0" DOUBLE DOOR c/w WIREGLASS, PANIC-LOCK
 - (1) 40" x 40" SLIDING WINDOW c/w SCREEN LATCH
 - (2) 12" x 12" SLIDING LOUVERS

[illegible]