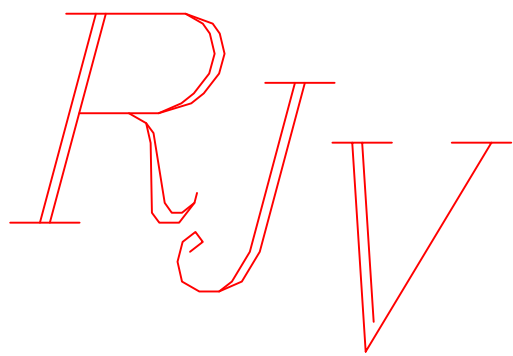
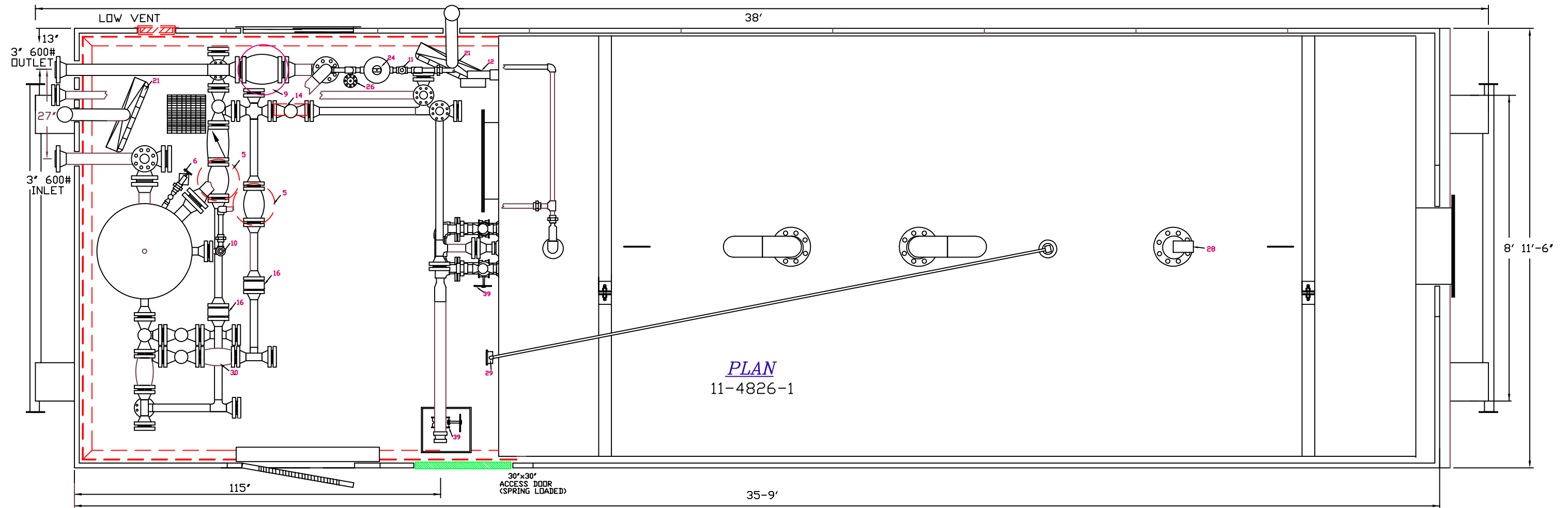
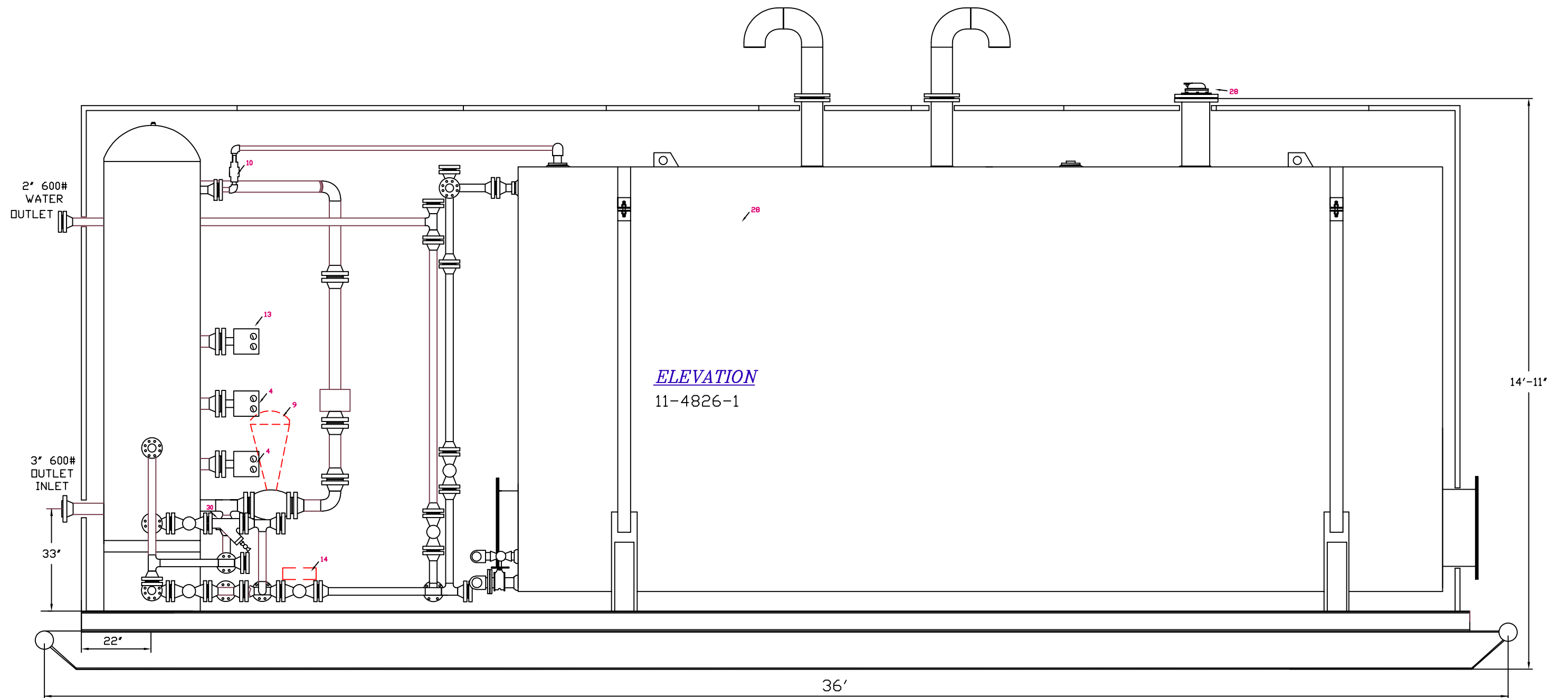
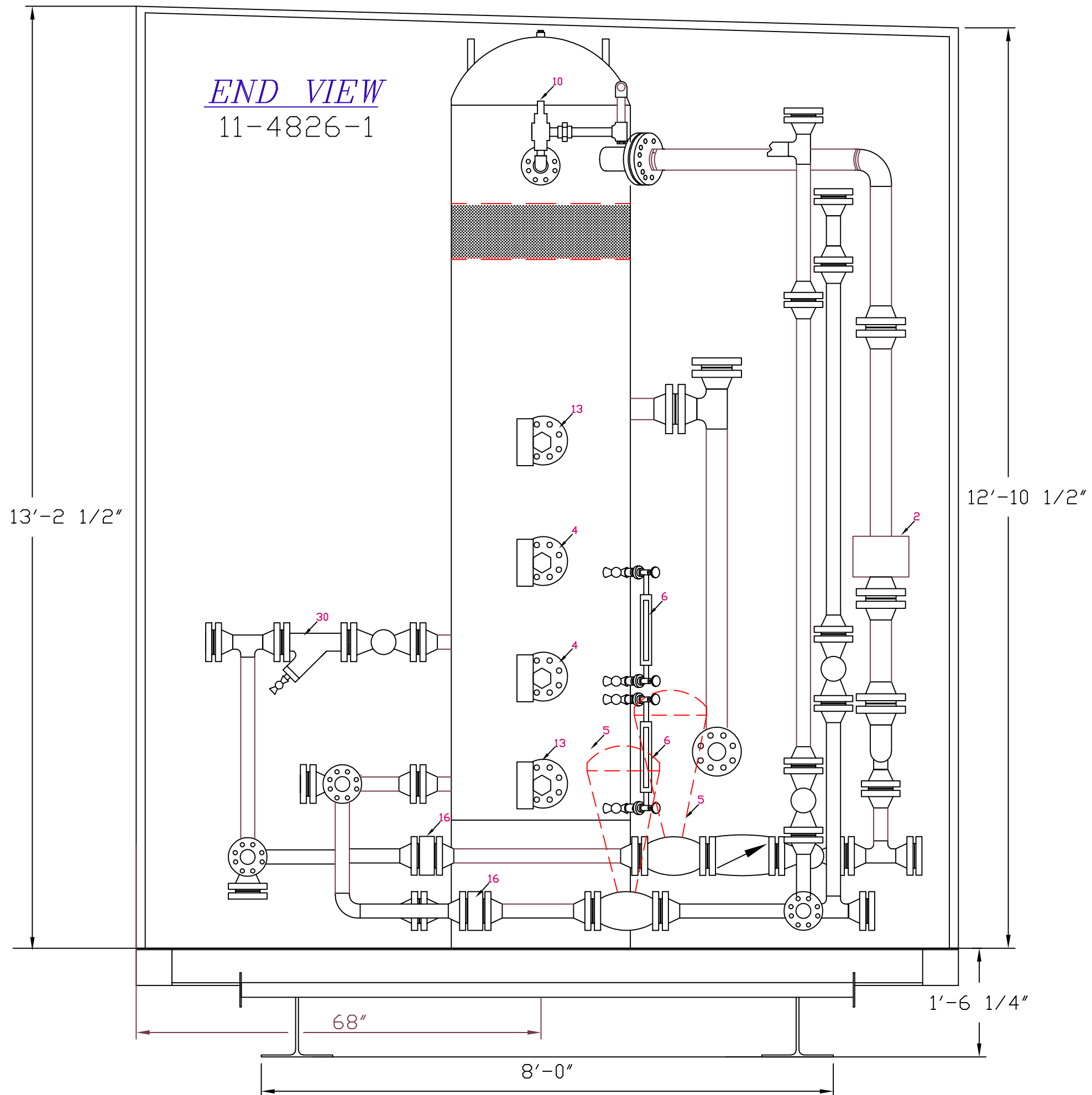


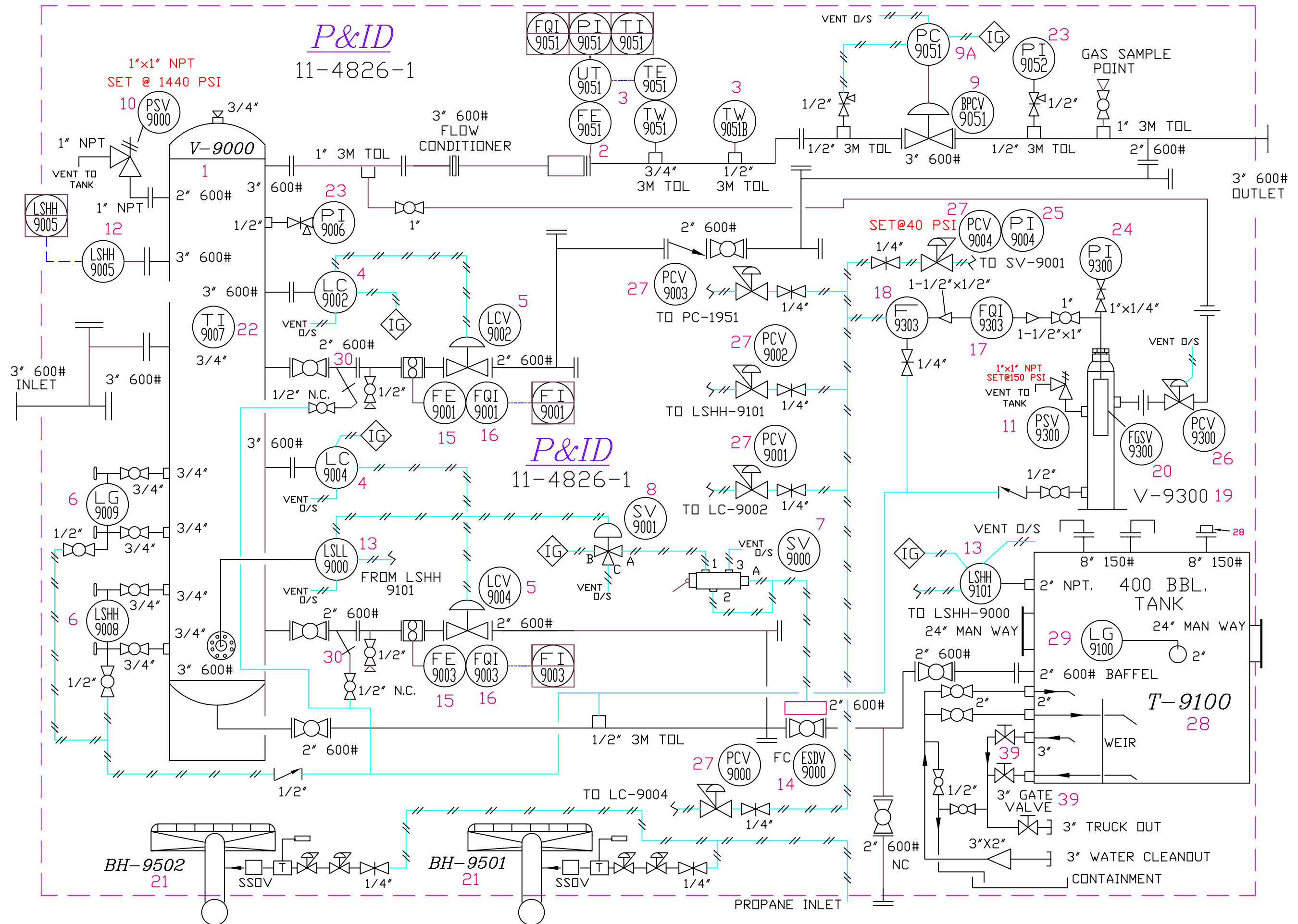
TOTAL WIDTH-	11'-6"	TOTAL LENGTH-	38'
TOTAL HEIGHT-	15'	APPROX. WEIGHT-	21,700 LBS

				<i>GAS FIELD SERVICES.</i> <i>4901- BRUCE RD. VEGREVILLE, ALTA</i> <i>T9C-1C3</i> <i>PHONE (780) 632-7774</i> <i>FAX (780) 632-6820</i>	
DESCRIPTION		BY			
		TITLE: <u><i>SHELL ENERGY</i></u> 30"x10' s/s 600 ANSI SEPARATOR/METER SKID UNIT, 3" 600# INLET/OUTLET, SWEET SERVICE, 400 BBL. WATER TANK.			
		DWG. # 4826-1		REV. 1	
		RJV JOB # 11-4826			
DATE		<u><i>WARNING !</i></u> This drawing and the design it covers are confidential and shall not be disclosed in any manner, or used for any purpose, except with written consent of, R.J.V. Gas Field Services Ltd.			
REV		DWN. BY: SI DATE: FEB. 1/2011 SCALE: NTS			









EQUIPMENT & MATERIAL

TAG#	ITEM	QTY	DESCRIPTION
V-9000	1	1	RJV 30"x10' s/s 600 ANSI, 1,440 PSI, 3 PHASE, VERTICAL MISTEX SEPARATOR, 1/8" C.A., 100 % RADIOGRAPHY & HYDRO TO CODE P.W.H.T. LAMINATION SCAN, HARDNESS TESTING, SELECT CHEMISTRY. BC REG.
FE-9051	2	1	CANALTA 3" 600 ANSI SCH 80 (SENIOR) DRIFICE FITTING, FLANGED TYPE FLOW CONDITIONER, 2 TAPS- 1, 3/4" & 1, 1/2" TOL,(68" O/A) OWNER SUPPLIED AND INSTALLED ZEDI.
LIT-9051	3	1	NORRISEAL 2" NPT. LHM, TYPE 1001A LIQUID LEVEL CONTROL, DIRECT ACTING, c/w 1-7/8" x 12" (BOTTOM), 1-7/8" x 12" (TOP).
LC-9002 9004	4	2	FISHER 2" 600# RFF TYPE 667-D-45 PRESSURE CONTROL VALVE, 1/2" MICRO-FORM 316 SST TUNGSTEN CARBIDE TRIM, SIZE 45 ACTUATOR, FAIL CLOSED, AIR TO OPEN SHUT IN PRESSURE 1440 PSIG
LCV-9002 9004	5	2	PENBURTHY MODEL# 1TL5 TRANSPARENT GAUGE GLASS c/w 330J GAUGE COCKS & 1/2" NPT BALL DRAIN VALVE & TUBING.
LG-9008 9009	6	2	AMDT 1/4" NPT MODEL 4057D025H2 PNEUMATIC 3-WAY SWITCHING, VALVE STD. SERVICE, 125 PSIG MAXIMUM, ALL PORTS, VITON SEALS.
SV-9000	7	1	FISHER 1/4" NPT MOD# 167DA-16 3-WAY PRESSURE SENSING VALVE STD SERVICE, 18-30 PSI. SPRING RANGE.
SV-9001	8	1	FISHER 3" 600# RFF TYPE 667-ET-45 PRESSURE CONTROL VALVE, 3-7/16" TRIM, WCB BODY, STANDARD SERVICE, SIZE 45 ACTUATOR, FAIL CLOSED, AIR TO OPEN.
BPCV-9051	9	1	FISHER 4150 C1 PRESSURE CONTROLLER, DIRECT ACTING, 0-1500 PSI. 316 SST. BOURDON TUBE, 6-30 PSI. OUTPUT SIGNAL.
PC-9051	9A	1	TAYLOR 1"x 1" NPT, MODEL T-8200-1, SS SPRING, STD. SERVICE, TYPE E DRIFICE, SA216 CARBON STEEL, SET @ 1440 PSIG.
PSV-9000	10	1	TAYLOR 1"x 1" NPT, MODEL T-8200-1, SS SPRING, STD. SERVICE, .128" DRIFICE, TYPE "D", RANGE 15-500 PSI, SET @ 150 PSIG.
PSV-9300	11	1	LINC 2" NPT. L47-41 ELECTRIC LIQUID LEVEL CONTROL, c/w MANUAL OVERRIDE, & 1-1/2" x 4" 316 SST. FLOAT.
LSHH-9005	12	1	NORRISEAL 2" NPT. LHM, TYPE 1001A LIQUID LEVEL CONTROL, DIRECT ACTING, c/w 1-7/8" x 12" DISPLACER, LSHH-9101-RH MOUNT
LSLL-9000	13	2	DYNAFLO ACTUATOR c/w 2" 600# RF. NUTRON BALL VALVE, RADIUS ASD40A ACTUATOR, FAIL CLOSED, SUPPLY 40 PSI.
LSHH-9101	14	1	NUFLO 2" 600# WAFER STYLE TURBINE METER, 2"x1-1/2" BORE, c/w MAGNETIC PICK-UP.
ESDV-9000	15	2	NUFLO MC111 FLOW TOTALIZER, 4-20mA OUTPUT, PROGRAMMING VIA KEY PAD, LOCAL DISPLAY.
FE-9001	16	2	ROOTS POSITIVE DISPLACEMENT 1-1/2" NPT. METER, MODEL 8C175, LOCAL DISPLAY, 175 PSIG. MAX. OPERATING PRESSURE, STANDARD.
FE-9003	17	1	HEADLINE 1/2" NPT. MODEL #360A, c/w 1-P/N 25-64-70C ELEMENTS.
FQI-9001 9003	18	1	RJV 8"X30" s/s FUEL GAS SCRUBBER 150 PSI DESIGN PRESSURE.
FQI-9303	19	1	RJV 2"X1" NPT. FUEL GAS SHUT-OFF VALVE c/w DEMISTER WRAP
F-9303	20	1	CATADYNE BX24X24 24,000 BTU, 12 VDC, PROPANE GAS HEATER c/w STANDS, SSDV, REGULATORS, 25 FT CABLES, THERMOSTAT, GRILL, VENT HOOD & ELECTRICAL AS PER CEC REGULATIONS.
V-9300	21	2	TREND MOD 33, 3" DIAL, DS, -40/120°F, c/w 304 SST TOW, 4" STEM ON SEPARATOR.
FGSV-9300	22	1	WIKA 4" DIAL 1/2" NPT BOTTOM CONN. #233.54 LIQUID FILLED, DS, 0/1500# PSI c/w AGCO M9RIC-44 1/2" ISOLATION/BLEED VALVES (SEPARATOR, & OUTLET PIPING).
BH-9501 9502	23	2	WIKA 2-1/2" DIAL 1/4" NPT BOTTOM CONN. #233.53 LIQUID FILLED, DS, 0/200# PSI c/w PANAM 1/4" CARBON STEEL ISOLATION VALVE
TI-9007	24	1	WIKA 2-1/2" DIAL 1/4" NPT BOTTOM CONN. #233.53 LIQUID FILLED, DS, 0/200# PSI.
PI-9006 9052	25	1	FISHER 1" NPT TYPE P627-543 D1 STEEL BODY, STANDARD, 1/8" DRIFICE, NYLON DISC, 70-150 PSI SPRING RANGE, SET@ 100 PSIG
PI-9300	26	1	FISHER 1/4" NPT MODEL 67CFR-362, 0-35 PSI SPRING RANGE, SET AT 30 PSI. STD. SERVICE, 67CFR-601 (PCV-9004 SET @ 40 PSI)
PI-9004	27	5	WESTEEL 400 BBL. SINGLE WALLED ABOVE GROUND STORAGE TANK, c/w 2-8" 150 ANSI VENT STACKS, 1-8" 150" c/w ZIRCO THIEF HATCH, DEVDOE EXPOXY INTERIOR COATING, c/w WEIR PLATE.
PCV-9300	28	1	RJV 52144 TANK METERING/LEVEL GAUGE BOARD 12FT.
PCV-9000/01 9002/03/04	29	1	ALBERTA STRAINER 2" 600# RF. YS600, 1,480 PSI Y-STRAINER.
T-9100	30	2	MERIDIAN 1/2" NPT. 2000# STANDARD BALL VALVE.
LG-9100	31	9	MERIDIAN 1/2" NPT. 2000# STANDARD BALL VALVE.
YS-9001/03	32	4	MERIDIAN 3/4" NPT. 2000# STANDARD BALL VALVE.
	33	3	MERIDIAN 1" NPT. 2000# STANDARD BALL VALVE.
	34	2	MERIDIAN 2" NPT. 2000# STANDARD BALL VALVE.
	35	6	PANAM 1/4" NPT 6000# CARBON STEEL NEEDLE VALVES.
	36	2	PLAINSMAN 1/2" NPT 3000# CB-50 BALL CHECK.
	37	1	DHV 2 600# ANSI RFF SWING TYPE CHECK VALVE.
	38	6	DHV 2 600# ANSI RFF REGULAR PORT BALL VALVE.
	39	3	LINWHA 3" NPT 150 PSI. FIG# A-107 CLIP GATE VALVE
			TUBING- 3/8" & 1/2" OD .035/.049 WT 316 STAINLESS STEEL
			TUBE FITTINGS- SWAGelok 316 STAINLESS STEEL.
			FR PRESSURE SENSING LINES & FG TAKE-OFFS SHALL BE 1/2" OD
			SKID- RJV 11'-6"x38' c/w 12"@72 WF (PERIPHERY), 6"@15 WF (TANK BEAMS). 6"@8.2 CHANNEL IRON (CHECKER FLOORING SUPPORTS)
			3/16" CHECKERED PLATE (FLOORING), 3" POLYURETHANE UNDERSKID INSULATION AND 3 1/2" PULL BARS EACH END
			12"x12" SKID DRAIN, 3"x1/8" CONTAINMENT AROUND INTERIOR SKID
			BUILDING- 11'-6"x36'x13'x12'-8" URETHANE INJECTED PANEL TYPE SHED ROOF, 30 GAUGE WHITE STEEL EXTERIOR WALLS,
			R12 INSULATION VALUE. INTERIOR WHITE PREPAINTED STEEL INTERIOR., 24"x30" SPRING LOADED HATCH FOR CLIP VALVE.
			DOOR- 3'X7' URETHANE INJECTED PANEL TYPE, DOG DOOR, CANOPY, WEATHER STRIPPING, CHAIN CHECK, DOOR SWEEP, 1-WHIRLY BIRD WINDOW- 1, 36'X36' DG SLIDER c/w SCREENS.
			VENTS- 1, 12'X12" INSULATED ALUMINUM LOUVERED c/w SCREENS.
			FLANGES: SA-105N 600 ANSI: 2"/3"/4" SCH 80,
			WELD FITTINGS: SA-234-WPB: 2"/3"/4" SCH 80,
			SCREWED FITTINGS: SA-105N 3000# FS.
			SCREWED UNIONS: SA-105N 3000# FS.
			O-LETS: SA-105N 3000# FS.
			PIPE AND NIPPLES: SA-106 GR B SEAMLESS.,
			THREADED PIPE, NIPPLES & SWAGES.- 600#-SCH 160, 150#-SCH. 80
			BOLTING: ASTM A193 GR B7 STUDS/ASTM A194 GR 2H NUTS.
			GASKETS: 304 SST FLEXIBLE-GRAPHITE,
			WELDED PIPING SHALL BE SUBJECTED TO 10% RADIOGRAPHY.
			WELD PIPING/TUBING BE HYDROTESTED TO 1.5 TIMES DESIGN PRESS.
			ALL VENTING CONTROLS AND INSTRUMENTS SHALL BE VENTED TO HEADERS AND ALL CONTROLS OPERATIONALLY AIR TESTED.
			ALL METAL SURFACES SHALL BE MECHANICALLY CLEANED TO SSPC-SP-2, 1 COAT OF ZINC CHROMATE PRIMER AND 1 FINISH COAT,
			STEEL SKIDS, EQUIPMENT, PIPING & TANKS: SILVER GREY
			150 WATT, 12 VDC INCANDESCENT EXPLOSION PROOF INTERIOR LIGHT FIXTURE, INTERIOR EXPLOSION PROOF LIGHT SWITCH