

SHIPPING DETAILS

TOTAL WIDTH- 10'-8" TOTAL LENGTH- 21'-4"
TOTAL HEIGHT- 12'-4" APROX. WEIGHT- 14800 LBS

REV	DATE	DESCRIPTION	BY

RJV

GAS FIELD SERVICES.

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T9C-1C3

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TITLE: HUSKY OIL OPERATIONS

16"x7'6" 5/5 600 ANSI SEPARATOR/METER
SKID UNIT, 3 PHASE CONTROLS, SCADA,
3" SENIOR METER RUN, 15,000 LITRE TANK
2" 1500# INLET ESDV VALVE.

DWG. # 10-4790

REV. #

RJV
JOB #

4790-1

WARNING !

This drawing and the design it covers are confidential and shall shall not be disclosed in any manner, or used for any purpose, except with written consent of, R.J.V. Gas Field Services Ltd.

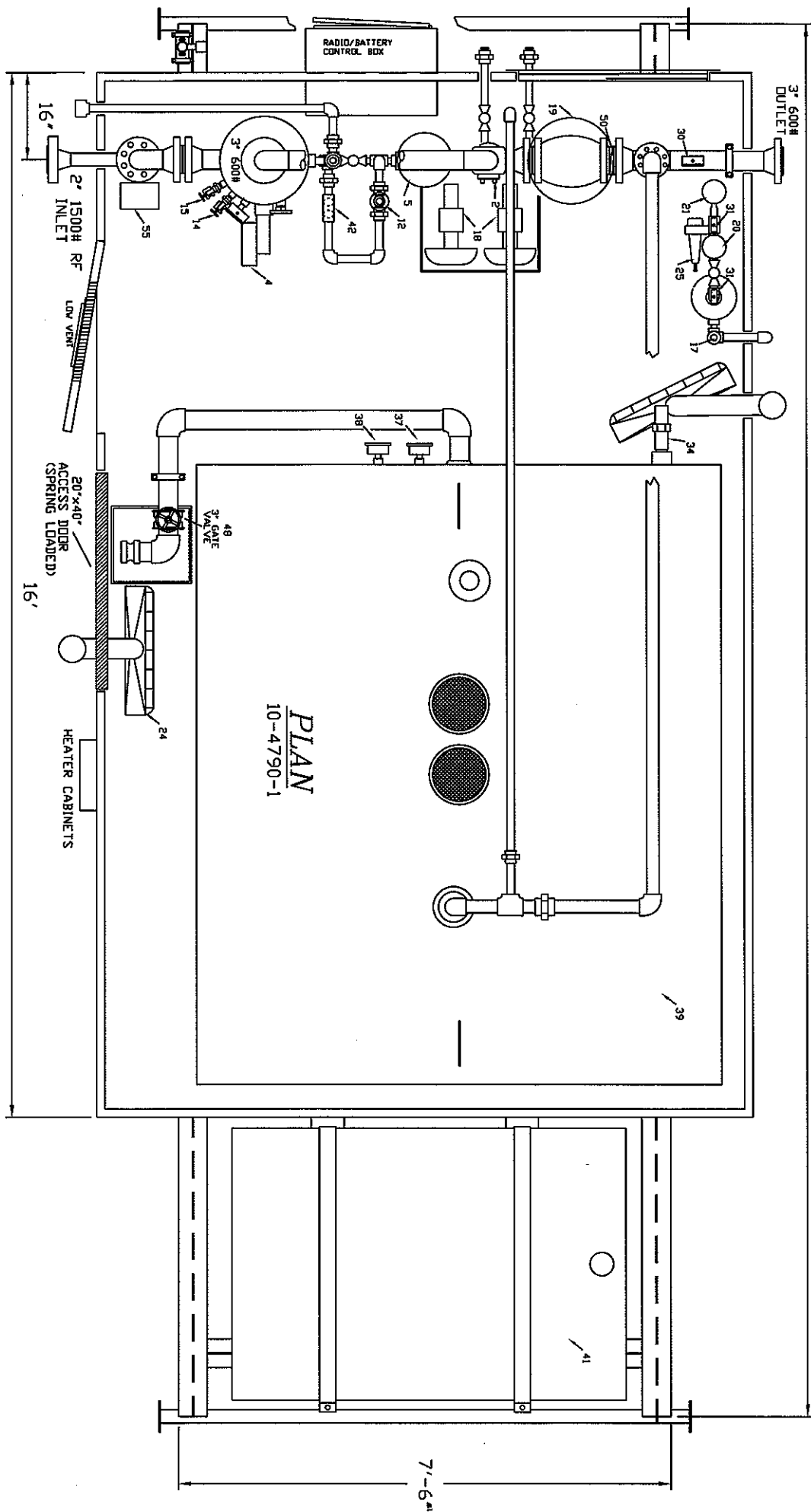
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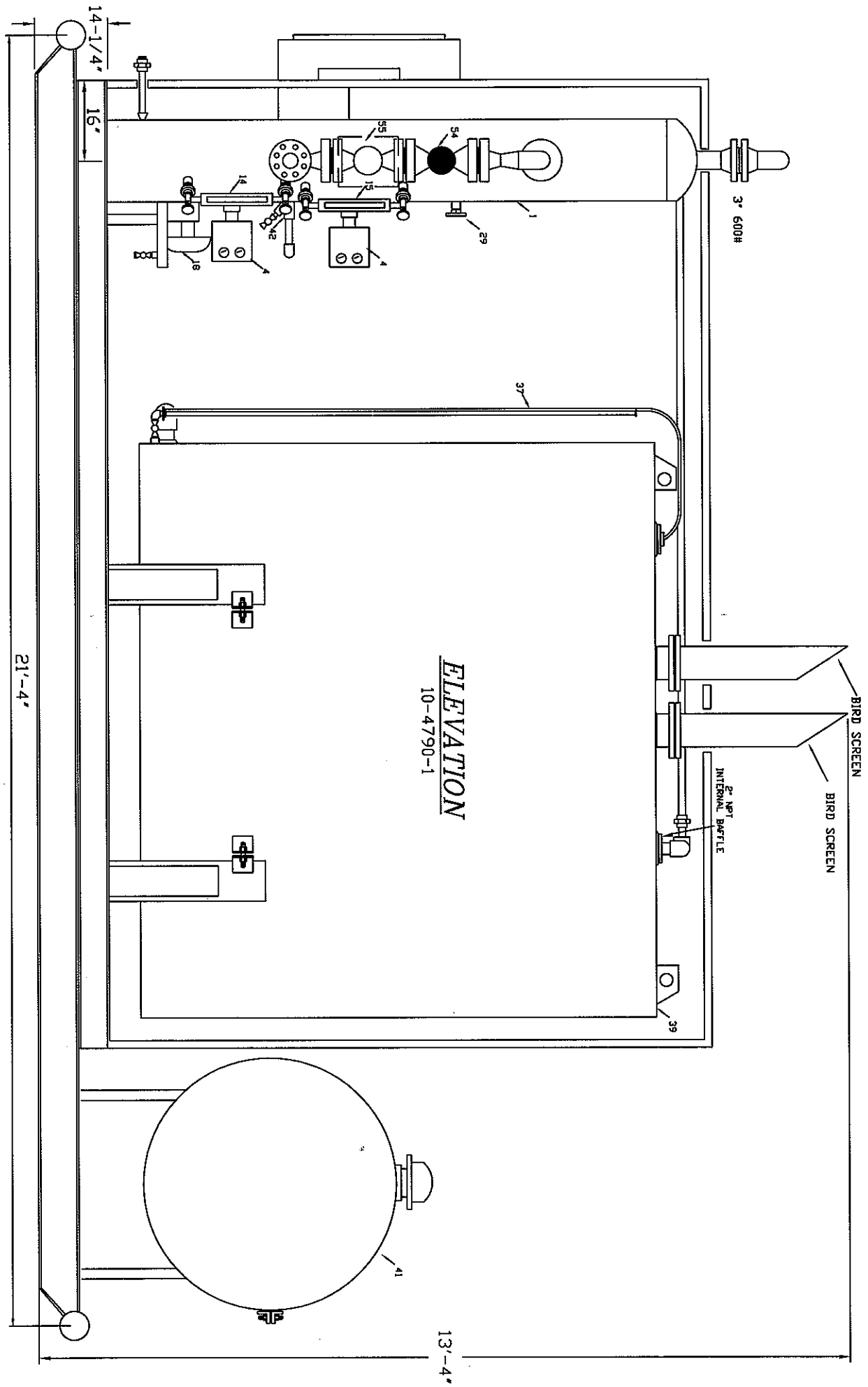
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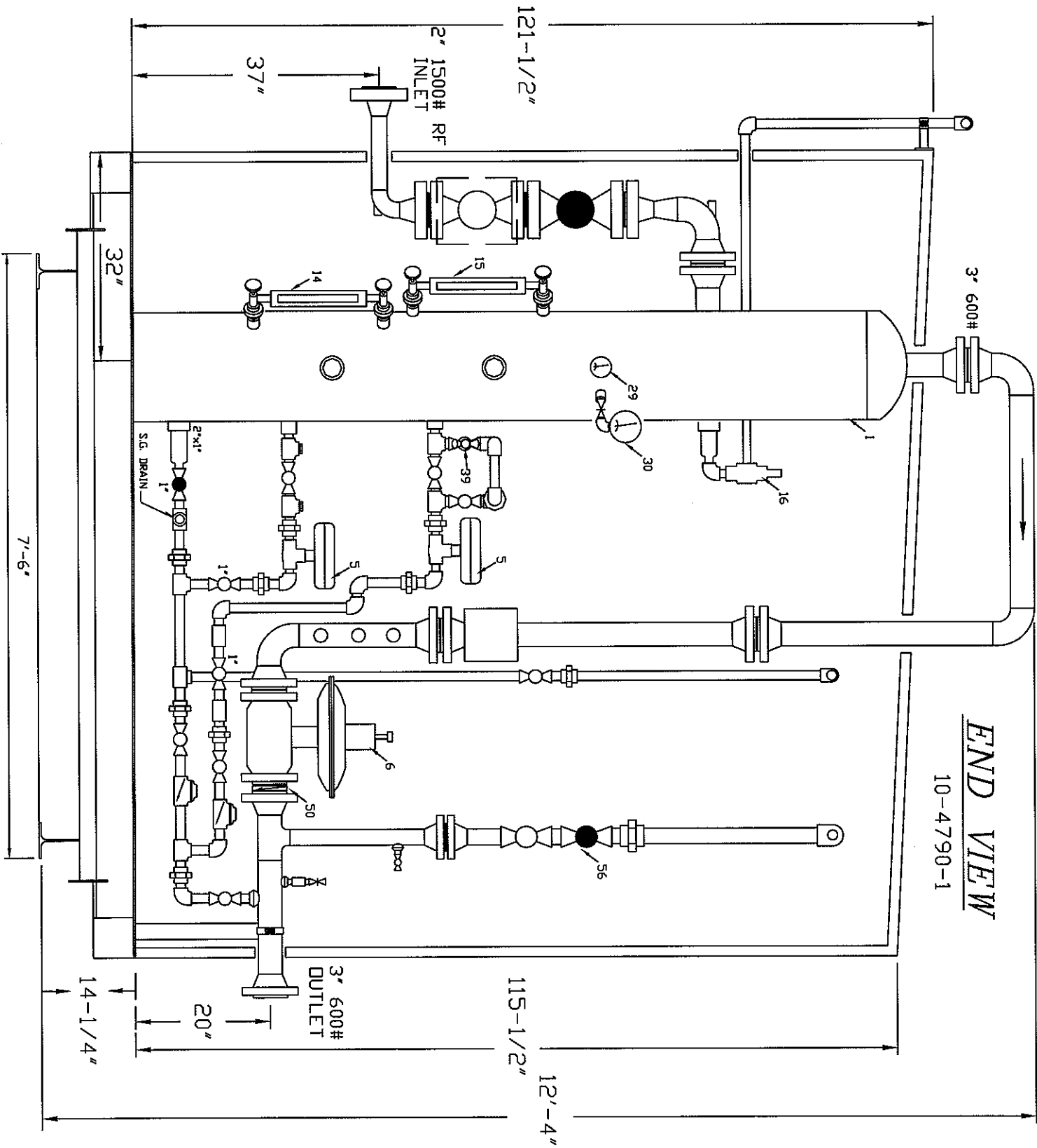
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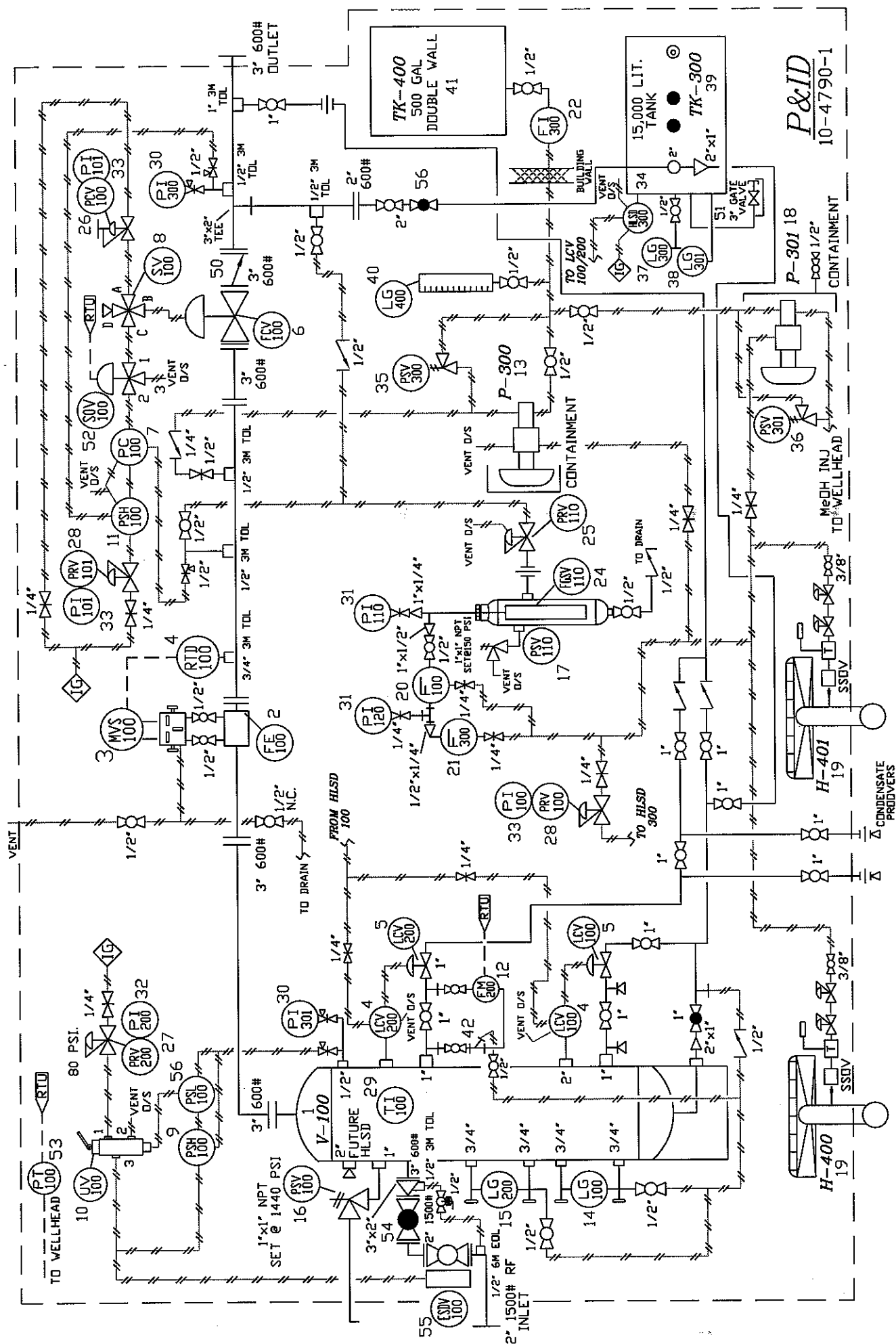
SCALE: NTS





END VIEW 10-4790-1





EQUIPMENT & MATERIAL

TAG#	ITEM	QTY	DESCRIPTION
V-180	1	1	RJV 16"x7'6" s/s 600 ANSI, 1440 PSI, 3 PHASE VERTICAL MISTEX SEPARATOR c/w 1/16" CORROSION ALLOWANCE.
FE-100	2	1	NORTHSTAR 3" 600 ANSI SCH 80 (SENIOR) ORIFICE FITTING AGA FIG 3D, 7 BETA RATIO, 3 TAPS- 1, 3/4" & 2, 1/2" NPT, c/w 1 304 SST ORIFICE PLATE/RETAINER, A0701 (68" O/A)
MVS-100	3	1	FISHER RDC 103 TRANSMITTER c/w RTD ASSEMBLY, 0-2000 PSI STATIC PRESSURE, H-673-SDJ FGI 5-VALVE MANIFOLD, FM/CSA
LC-100/200	4	2	FISHER 2" NPT TYPE L2 LEVEL CONTROL, LCC LOW TEMP. SNAP ACTING, FAILL CLOSED, c/w 1-7/8" x 12" PVC DISPLACER.
LCV-100/200	5	2	FISHER 1" NPT TYPE D2, LCC LOW TEMP. NACE SPEC., RATED 900# ANSI, 0-35 PSI SIGNAL, ADJUSTABLE 1/4"/3/8"/1/2" TRIM.
FCV-100	6	1	KIMRAY 3" 600# ANSI RF., MOTOR VALVE, 1,500 PSI MDP., STD. SERVICE, 2" INNER VALVE, CARBON STEEL BODY.
PC-100	7	1	DYNA-FLO TYPE 400K PRESSURE CONTROLLER, DIRECT ACTING, 0/1500 PSI 316 STAINLESS STEEL BOURDON TUBE, RE-CONDITION
SV-100	8	1	CONANT 1/4" NPT. MODEL 38361A1T MANUAL SELECTOR VALVE, 3-WAY SELECTOR/316 SST CONSTRUCTION.
PSH-100	9	1	CVS 7970 PNEUMATIC PRESSURE PILOT, HIGH PRESSURE SET @ 1380 PSI, RISING, TWO POSITION, 3-WAY PILOT, AUTO RESET.
UV-100	10	1	AMOT 1/4" NPT SWITCHING VALVE, MODEL #4057002SH2, STD. SERVICE, 125 PSIG. ALL PORTS, STD. SERVICE.
PSH-200	11	1	CVS 7970 PNEUMATIC PRESSURE PILOT, HIGH PRESSURE SET @ 265 RISING SENSOR, TWO POSITION, 3-WAY PILOT, AUTO RESET.
FM-200	12	1	NUFLO 1" x 1" NPT. TURBINE METER 5-50 USGPM FLOW RANGE, CVS, MODEL#5138 METHANOL INJECTION PUMP, 3/8" PLUNGER.
P-300	13	1	PNEUMATIC MICRO VALVE, 7.9 GPD, HARD PACKING, 6000 PSI MWP.
LG-100	14	1	PENBURTHY MODEL TWS 1/2" NPT DRAIN BALL VALVE, GAUGE COCKS, c/w 1/2" NPT DRAIN BALL VALVE.
LG-200	15	1	PENBURTHY MODEL 1RL5 REFLEX GAUGE GLASS, c/w 303J GAUGE COCKS, c/w 1/2" NPT DRAIN BALL VALVE.
PSV-100	16	1	TAYOR 1" MNPT x 1" FNPT, MODEL T-8200-1 SST BODY, CS BONNET & CAP, 128" ORIFICE, SET @ 1440 PSIG.
PSV-110	17	1	TAYOR 1" MNPT x 1" FNPT, MODEL T-8200-1 SST BODY, CS BONNET & CAP, 128" ORIFICE, SET @ 150 PSIG.
P-301	18	1	CVS, MODEL#5038 METHANOL INJECTION PUMP, 3/8" PLUNGER, PNEUMATIC MICRO VALVE, 7.9 GPD, VITRON PACKING, 3500 MWP.
H-400/401	19	2	CATADYNE BX24X24 24,000 BTU, 12 VDC, NATURAL GAS HEATER c/w STANDS, SSDV, REGULATORS, 25 FT CABLES, THERMOSTAT, GRILL, VENT HOOD & ELECTRICAL AS PER CEC REGULATIONS.
F-100	20	1	HEADLINE 1/2" NPT. MODEL #360A c/w P/W BS-64-70C ELEMENTS
F-300	21	1	CCI THERMAL 1/4" NPT. MODEL #NGS-4 DRYER ASSEMBLY, c/w 2-TYPE "NS" CONTAMINATION REMOVAL CARTRIDGES.
FI-300	22	1	1" NPT. FLEET GUARD METHANOL FILTER/SPIN ON CARTRIDGE.
V-110	23	1	RJV 8"x30" s/s FUEL GAS SCRUBBER 975 PSI DESIGN PRESS.
FGSV-110	24	1	RJV 2"x1" FUEL GAS SHUT OFF VALVE c/w DEMISTER WRAP
PRV-110	25	1	BELGAS 1" NPT TYPE P627 REG. CARBON STEEL CONST. 1/8" ORIFICE, 70-150 PSI SPRING RANGE, SET @ 100 PSIG.
PCV-100	26	1	BELGAS 1/4" NPT TYPE P50 REGULATOR, STD SERVICE, 0-60 PSI SPRING RANGE, MANUAL HAND WHEEL.
PRV-200	27	1	BELGAS 1/4" NPT TYPE P50 REGULATOR, STD SERVICE, 0-120 PSI SPRING RANGE, SET 80 PSI. (UV-100 SUPPLY)
PRV-100/101	28	2	BELGAS 1/4" NPT TYPE P50 REGULATOR, STD SERVICE, 0-60 PSI RANGE.
TI-100	29	1	TREND MOD 33, 3" DIAL, DS, -40/120°F, c/w 304 SST TOW, 4" STEM ON SEPARATOR.
PI-300/301	30	2	WKA #23354 4" DIAL 1/2" NPT BOT CONN. LIQUID FILLED, DS, 0/1500# PSI c/w PANAM 1/2" NPT ISOLATION/BLEED VALVES, (SEPARATOR & OUTLET PIPING).
PI-110/120	31	2	WKA #23353 2 1/2" DIAL 1/4" NPT BOT CONN. LIQUID FILLED, DS, c/w PANAM CARBON STEEL 1/4" ISOLATION VALVES 0/200 PSI (FUEL GAS SCRUBBER/ON DOWNSTREAM OF FILTER).
PI-200	32	1	WKA #23353 2 1/2" DIAL 1/4" NPT BOT CONN. LIQUID FILLED, 0/100 PSI (UV-200 IG REGULATOR).
PI-100/101	33	3	WKA #23353 2 1/2" DIAL 1/4" NPT BOT CONN. LIQUID FILLED, 0/60 PSI.
HLSD-300	34	1	WELLMARK 2" NPT SNAPTROL 7400 SERIES PNEUMATIC LEVEL SWITCH, STANDARD SERVICE, c/w PNEUMATIC MICRO VALVE.
PSV-300	35	1	NUPRO 1/4" BSS-4R3A5-EP/177-R3A-K1-C, SET @ 1,440 PSIG.
PSV-301	36	1	NUPRO 1/4" BSS-4R3A5-EP/177-R3A-K1-C, SET @ 3,700 PSIG.
LG-300	37	1	RJV 5700-84-CVR METH. TANK METERING/LEVEL GAUGE BOARD
LG-301	38	1	RJV 3700-4-CVR METH. TANK METERING/LEVEL GAUGE, 4IN.
TK-300	39	1	VESTEEL 15,000 LITRE DOUBLE VALLED ABOVE GROUND TANK c/w 2-6" 150 ANSI VENT STACKS AND 3" NPT PUMP OUT/DRAIN
LG-400	40	1	RJV #5428 METERING/LEVEL GAUGE, 48" VISIBLE LENGTH.
TK-400	41	1	VESTEEL 500 GAL DOUBLE WALL METH. STORAGE TANK.
	42	1	ALBERTA STRAINER, 1" NPT, FIG# V5600, 1480 PSI, VP.
	43	1	FLOMORE 1/4" NPT #A-676 BALL CHECK (METHANOL INJ. POINT).
	44	3	PLAINSHAN 1/2" NPT 3000# CB-50 BALL CHECK.
	45	2	DHV 1" FNPT 3,000# MODEL CSPR10S08AB, SWING TYPE CHECK.
	46	16	MERIDIAN 1/2" NPT 2000# #HI-F05S20-B BALL VALVES.
	47	13	MERIDIAN 1" NPT 2000# #HI-R10S20-B BALL VALVES.
	48	8	PANAM 1/4" NPT 6000# #H5RDC-2 NEEDLE VALVES.
	49	5	PANAM 1/2" NPT 6000# #H7VC-440 NEEDLE VALVES.
	50	1	WHEATLEY 3" 600# ANSI FLAPPER STYLE CHECK VALVE.
	51	1	3" CLIP GATE VALVE.
SDV-100	52	1	ASCO 1/4" NPT VED HAT SOLENOID, P/N EF8314G301, 24V DC
PT-100	53	1	ROSEMOUNT 2088 CASING PRESSURE TRANSMITTER, 0-1500 PSI, RANGE, 1/2" FNPT CONNECTION, CALIBRATION 0-3000 PSI.
PCV-100	54	1	PANAM 2" 1500# RF, FIG# 215-FCB2, MANUAL GLOBE VALVE, CS.
ESDV-100	55	1	RADIUS ACTUATOR c/w 2" 1500# RF, NUTRON BALL VALVE, A105 BODY, RADIUS AS060A ACTUATOR, FAIL CLOSED, SUPPLY 80 PSI.
PSL-100	56	1	CVS 7970 PNEUMATIC PRESSURE PILOT, HIGH PRESSURE SET @ 100 PSI, FALLING, TWO POSITION, 3-WAY PILOT, AUTO RESET.
	57	1	PANAM 2" NPT 800# FIG#F6/838 GLOBE VALVE, STD. TRIM
	58	1	PANAM 1" NPT 800# FIG#F6/838 GLOBE VALVE, STD. TRIM
	59	1	MERIDIAN 2" NPT 2000# #HI-F05S20-B BALL VALVES.
			TUBING- 3/8" & 1/2" OD .035 WT STAINLESS STEEL.
			TUBE FITTINGS- SWAGelok STAINLESS STEEL
			FR PRESSURE SENSING LINES & FG TAKE-OFFS SHALL BE 1/2" OD
			SKID- RJV 10"x21'4" c/w 8"x8" I-BEAM (RUNNERS, PERIPHERY), 6"x15" TANK BEAMS, 6"x8"2 CHANNEL IRON TOP FLOOR DECK, 3/16" CHECKERED PLATE, 3" POLYURETHANE
			UNDERSKID INSULATION AND 3 1/2" PULL BARS EACH END
			BUILDING- 10'x16'x10'-9'6" URETHANE INJECTED PANEL TYPE c/w
			SHED ROOF, 30 GAUGE PREPAINTED STEEL EXTERIOR WHITE WALLS
			R12 INSULATION VALUE 30 GAUGE WHITE STEEL INTERIOR
			DOOR- 3'x7' URETHANE INJECTED PANEL TYPE, c/w PANIC LOCK
			WEATHER STRIPPING, [VG WINDOW, DOOR SWEEP, DOG DOOR.
			WINDOW- 1, 36"x36" DG SLIDER c/w SCREENS, [VG WINDOW
			VENTS- 2, 12"x12" INSULATED ALUMINUM LOUVRED c/w SCREENS.
			FLANGES: SA-105N 600 ANSI 2" SCH 80, & 3" SCH 40.
			WELD FITTINGS: SA-234-WPB 2" SCH 80 & 3" SCH 40.
			SCREWED FITTINGS: SA-105N 3000# FS.
			SCREWED UNIONS: SA-105N 3000# FS.
			O-LETS: SA-105N 3000# FS.
			PIPE AND NIPPLES: SA-105 GR B SEAMLESS.
			WELDED 2" SCH 80, & 3" SCH 40.
			THREADED PIPE/NIPPLES/SWAGES: 150N- SCH 80, 600N- SCH 160
			BOLTING: ASTM A193 GR B7 STUDS/ASTM A194 GR 2H NUTS.
			GASKETS: 304 SST FLEXATALLIC GRAPHITE.
			ALL PIPING DESIGNED TO B31-3 CODE
			WELDED PIPING SHALL BE SUBJECTED TO 10% RADIOGRAPHY.
			WELDED PIPING SHALL BE HYDRO-TESTED TO 2160 PSI.
			ALL VENTING CONTROLS AND INSTRUMENTS SHALL BE VENTED TO
			SKID EDGE 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 OF ENAMEL PAINT SHALL BE APPLIED AS FOLLOWS-
			CHECKERED PLATE FLOORING: WARM GREY
			STEEL SKIDS, EQUIPMENT, PIPING & TANKS: WARM GREY
			ANTENNA WINCH TOWER

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