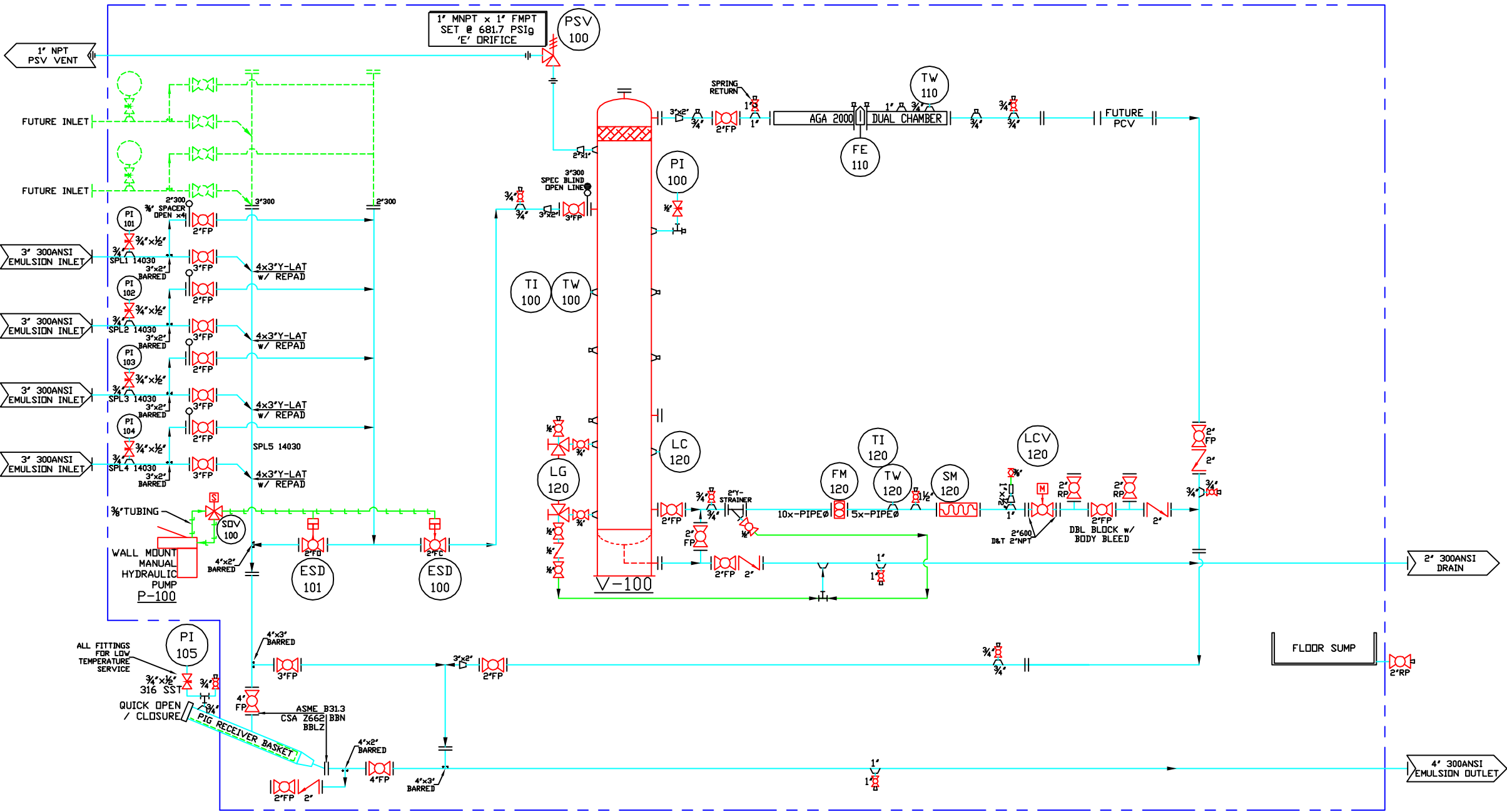


V-100
3-PHASE VERTICAL SEPARATOR
SCORE 30"OD X 8' S/S
DESIGN PRESSURE: 720PSI, 1/16" C.A.
DRESSED 2 PHASE, RT-2
REGISTERED IN AB, BC, & SK.
CRN: #W2268.213

P-100
HYDRAULIC PUMP
SFI/CROWN HP PUMP CONTROL
Model: ZA00133, 2000PSI MAWP
c/w 150in³ RESERVOIR

V100-A#645948
V100-S/N:V-14545
SKID-Score



NOTES:
THREADED PIPE TO BE ASSEMBLED ACCORDING TO THE FOLLOWING PROCEDURE.
PIPE THREAD ASSEMBLY PROCEDURE NUMBER TKSC-TA-1

REMAINING PROCESS PIPING:
FABRICATED TO ASME B31.3 NORMAL, 10% RT, 10% MPI FOR EACH WELDER
MAWP 720 @ -20°F to 130°F, CORROSION ALLOWANCE: 0.0625"
PWHIT N/A, HYDROTESTED TO 1080PSI.

ALL BUILDING EXTERNAL PIPING:
PIPE TO BE A 333 Gr. 6 TO FIRST INTERNAL WELD.
FLANGES AND TOL's TO BE A 350 LF2
THREADED FITTINGS AND VALVES SHALL BE FOR LOW TEMPERATURE SERVICE.

SEPARATOR SPOOLS BUILT AS JOB# TKS40454, SAME AS PACKAGE UNIT NUMBER.
3" INLET HEADER SPOOLS BUILT AS JOB# TKS14030. (SEE SPOOL DRAWINGS)

STAMPS & PERMITS
AS BUILT

1	05-01-15	AS BUILT	JW		
0	09-12-14	ISSUED FOR CONSTRUCTION	JW		
A	25-11-14	ISSUED FOR APPROVAL	JW		
NO.	DATE	REVISIONS	DWN	CHK'D	APPR

30"OD x 8'-0" S/S VERT. SEPARATOR
DESIGN PRESSURE 720 PSig @ 130°F c/w
11'x20' SELF FRAMED BUILDING

BILL OF MATERIALS				
ITEM	QTY	SIZE	DESCRIPTION	RATING
PI 101-105	5	½"	WGI 4" Dual Scale, Liquid Filled, Pressure Indicator	
ESD 100	1	2"	WKM RF FP FLOATING BALL, Std Trim	300 ANSI
ACTUATOR	1		ROTORK RH-060-045H/CO Hydraulic, FC	1500 PSI
ESD 101	1	2"	WKM RF FP FLOATING BALL, Std Trim	300 ANSI
ACTUATOR	1		ROTORK RH-060-045H/OO Hydraulic, FO	1500 PSI
SOV 100	1		ASCO 24VDC Soleniod	
PSV 100	1	1"x1"	MERCER 9100, 'C' Orifice, Set @ 681 PSI	MxF NPT
LG 100	1		WIKA 20-17T-1C Transparent w/WIKA 110-1 Valves	
PI 100	1	½"	WGI 4" Dual Scale, Liquid Filled, Pressure Indicator	
TW 100	1	¾" x ½"	WGI SST THERMOWELL, 4" Stem	
TW 110-120	2	¾" x ½"	WGI SST THERMOWELL, 2.5" Stem	
TI 100	1	½"	WGI 3" Dual Scale Temperature Indicator, 4" Stem	0-250°F
TI 120	1	½"	WGI 3" Dual Scale Temperature Indicator, 2.5" Stem	0-250°F
FE 110	1	2"	CANALTA Dual Chamber, AGA 2000, Pin Type FC	600 ANSI
LC 120	1	2"	NORRISEAL 1001A Electric	
FM 120	1	1½"x2"	NUFLO EZ-IN Turbine	
SM 120	1	2"	STATIFLO Motionless Mixer	300 ANSI
LCV 120	1	2"	WORCHESTER NPT FP Ball Valve	2000#
ACTUATOR	1		FLOWSERVE Series 75 Electric	
Valves	2	4"	WKM RF FP Ball Valve, CS Body Std Trim	300 ANSI
	6	3"	WKM RF FP Ball Valve, CS Body Std Trim	300 ANSI
	11	2"	WKM RF FP Ball Valve, CS Body Std Trim	300 ANSI
	2	2"	WKM RF RP Ball Valve, CS Body Std Trim	300 ANSI
	1	2"	WKM RF FP Ball Valve, CS Block & Bleed Body Std Trim	300 ANSI
	1	2"	WKM NPT RP Ball Valve, CS Body Std Trim	3000#
	1	1½"	WKM NPT RP Ball Valve, CS Body Std Trim	3000#
	2	1"	WKM NPT RP Ball Valve, CS Body Std Trim	3000#
	1	1"	WKM NPT RP Ball Valve, CS Body Std Trim, Spring Handle	3000#
	7	¾"	WKM NPT RP Ball Valve, CS Body Std Trim	3000#
	1	¾"	WKM NPT RP Ball Valve, LoTemp Body Std Trim	3000#
	5	½"	WKM NPT RP Ball Valve, CS Body Std Trim	3000#
	4	2"	WHEATLEY RF FP Swing Check, CS Body Std Trim	300 ANSI
	1	½"	PLAINSMAN CB-50 NPT In-Line Ball Check Valve	3000#
	4	¾" x ½"	WGI Single Block & Bleed Needle Valve, CS Body	10000#
	1	¾" x ½"	WGI Single Block & Bleed Needle Valve, SST Body	10000#
	1	½"	WGI NPT Needle Valves, CS Body & Trim	10000#
Y-Strainers	2	2"	ALTA YF300, CS Body #304 SS Screen	300 ANSI

BILL OF MATERIALS				
ITEM	QTY	SIZE	DESCRIPTION	RATING
CL 300 PIPING		3"-4"	WELDED SCH. 40	A 106B
(PROCESS)		2"	WELDED SCH. 80	A 106B
		2"-4"	TEES, ELBOWS, REDUCERS, BORE TO MATCH PIPE	A 234WPB
		2"-4"	RF 300 ANSI WN FLANGES	A 105N
		½" - 1"	THREADED, Sch. 160	A 106B
		½" - 1"	THREADED FITTINGS, MIN. 3000#	A 105N
O/S CL 300 PIPING		3"-4"	WELDED SCH. 40	A 333 Gr. 6
(Lo Temp. PROCESS)		2"	WELDED SCH. 80	A 333 Gr. 6
		2"-4"	TEES, ELBOWS, REDUCERS, BORE TO MATCH PIPE	A 420 WPL6
		2"-4"	RF 300 ANSI WN FLANGES	A 350 LF2
All BOLTING			STUDS, Length as per ASME B16.5 For Flange Size	A 193-B7M
			NUTS, To Match Stud Sizing	A 194-2HM
			FLEXITALIC GRAPHITE WINDING w/ Centering Ring	#316 SST
ALL TUBING		⅜"	0.035"WALL, SEAMLESS, #316	A 269
		½"	0.049"WALL, SEAMLESS, #316	A 269
TUBE FITTINGS		⅜" - ½"	SWAGELOK #316 COMPRESION TYPE	A 182
SPECS & SPACERS	1	3"	⅜" SPECTACLE BLIND	300 ANSI
	4	2"	⅜" SPACER RING	300 ANSI

1	January 5, 2015	As Built	CLIENT	JOB NO.
0	December 9, 2014	IFC		40454
A	November 25, 2014	IFA	DRAWING FILE	1
NO.	DATE	REVISION		