GENERAL NOTES:

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1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE MECHANICAL FLOWSHEET.

2. PROCESS PIPING TO BE DESIGNED TO ASME B31.3 2012 EDITION AND REGISTERED IN ALBERTA.

3. PRESSURE VESSELS ARE TO BE REGISTERED IN ALBERTA.

4. VESSELS AND PIPING TO BE INSULATED AS PER FLOWSHEET AND/OR FABRICATION DRAWINGS.

5. PAINTING AS PER 6S-6100:

- UNINSULATED VESSEL & PIPING, INDOOR STRUCTURAL (SYSTEM P1);

SURFACE PREPARATION: SSPC-SP6

PRIMER: 4-6 mils CLOVAGUARD 8315 EPOXY

FINISH: 2-3 mils CLOVATHANE 834 POLYURETHANE

(VESSEL & PIPING 16376 LIGHT GRAY, STRUCTURAL 15090 BLUE, LADDERS & HANDRAILS

F51.3591 SAFETY YELLOW)

- INSULATED VESSEL & PIPING (SYSTEM P3);

SURFACE PREPARATION: SSPC-SP10

PRIMER: 5-8 mils CLOVALINE 8329 HEAVY DUTY EPOXY NOVOLACLINING (GREY)

FINISH: NONE

- GRATING;

GALVANIZED

6. ALL ELEVATIONS SHOWN ARE FROM TOP OF MAIN SKID MEMBERS, DEPTH OF SKID IS 1'-0\frac{1}{2}''.

7. ALL SKID EDGE CONNECTIONS TO BE HELD AT DIMENSIONS AND ELEVATIONS SHOWN FOR CUSTOMER TIE-INS.

8. SKID IS DESIGNED FOR A SIX (6) POINT LIFT.

9. I/A SERVICE VENTING; BLEED TYPE INSTRUMENTS, REGULATOR BONNETS, INSTRUMENT CASES AND CONTROL VALVE ACTUATORS ARE NOT VENTED.

10. 1"0 INSTRUMENT AR HEADER AS SHOWN ON FLOWSHEET (SHOP TO RUN AS REO'D) WITH 1/4"0 TAKE-OFFS c/w ISOLATION NEEDLE VALVE, REGULATOR, AND TUBING TO COMPLETE.

11. REMOVE ALL FLOATS/DISPLACERS FROM ALL LEVEL CONTROLLERS AND SWITCHES. TAG AND CRATE FOR SHIPPING.

12. ALL INSTRUMENTS SHALL BE TAGGED: 002-PC-21-2016.

14. PROTECT ALL OPENINGS FOR SHIPPING.

15. ESTIMATED SHIPPING WEIGHT UNIT: 93,000 Ibs.

HEAT TRACING NOTES:

- 2'-8" PIPE USE 1/2" 316 SS (0.035") TUBING; - 10" PIPE USE 3/4" 316 SS (0.049") TUBING; - SS BANDING TO SECURE TRACING; - SHOP TO SEE PROJECT MANAGER FOR INSTALLATION DETAILS.

002-V-21-2016

	A11a (SWEET)	CL150 (SWEET) - A11	CL150 (LOW TEMP) - AL11		
DESIGN CONDITIONS:					
D.P. & TEMP.	229 PSIG @ -20/300*F	229 PSIG @ -20/300°F	229 PSIG @ -49/300*F		
BW C.A.	½16" (1.5mm)	½16" (1.5mm)	½16" (1.5mm)		
NPT/SW C.A.	½16" (1.5mm)	½16" (1.5mm)	½16" (1.5mm)		
RADIOGRAPHY	10%	10%	10%		
P.W.H.T.	NONE	NONE	NONE		
HYDROTEST	426 PSIG	426 PSIG	426 PSIG		
BW PIPING	3" - 8" SCH. 40, SA-106-B	3" - 8" SCH. 40, SA-106-B	3" - 8" SCH. 40, SA-333-Gr.6		
	2" SCH. 80, SA-106-B	2" SCH. 80, SA-106-B	2" SCH. 80, SA-333-Gr.6		
SW PIPING	≤ 1½" SCH. 80 SA-106-B	≤ 1½" SCH. 80 SA-106-B	≤ 1½" SCH. 80 SA-333-Gr.6		
NPT PIPING	≤ 1½" SCH. 80 SA-106-B	≤ 1½° SCH. 80 SA-106-B	≤ 1½" SCH. 80 SA-333-Gr.6		
INSTRUMENT TUBING	1/4" O.D. 316 STAINLESS STEEL (0.035")	1/4" O.D. 316 STAINLESS STEEL (0.035")	1/4" O.D. 316 STAINLESS STEEL (0.035")		
PROCESS TUBING	1/2" O.D. 316 STAINLESS STEEL (0.049")	1/2" O.D. 316 STAINLESS STEEL (0.049")	½" O.D. 316 STAINLESS STEEL (0.049")		
FITTINGS:					
BW FITTINGS	3" - 8" SCH. 40, SA-234-WPB	3" - 8" SCH. 40, SA-234-WPB	3" - 8" SCH. 40, SA-420-WPL6		
	2" SCH. 80, SA-234-WPB	2" SCH. 80, SA-234-WPB	2" SCH. 80, SA-420-WPL6		
** SW FITTINGS	≤ 1½" CL3000 SA-105N	≤ 1½" CL3000 SA-105N	≤ 1½° CL3000 SA-350-LF2		
NPT FITTINGS	≤ 1½" CL3000 SA-105N	≤ 1½" CL3000 SA-105N	≤ 1½" CL3000 SA-350-LF2		
◆ FLANGES	RFWN BORE TO PIPE, SA-105N	RFWN BORE TO PIPE, SA-105N	RFWN BORE TO PIPE, SA-350-LF2		
*** GASKETS	316 SS 'CGI' FLEXICARB	316 SS 'CGI' FLEXICARB	316 SS 'CGI' FLEXICARB		
BOLTING	SA-193-B7/SA-194-2H	SA-193-B7/SA-194-2H	SA-193-B7/SA-194-2H		
PUMP/L.G. NIPPLES	SCH. 160, SA-106-B	SCH. 160, SA-106-B	SCH. 160, SA-333-Gr.6		
INSTR. TUBING FITTINGS	316 SS SWAGELOK (DOUBLE FERRULE)	316 SS SWAGELOK (DOUBLE FERRULE)	316 SS SWAGELOK (DOUBLE FERRULE)		
PROCESS TUBING FITTINGS	316 SS SWAGELOK (DOUBLE FERRULE)	316 SS SWAGELOK (DOUBLE FERRULE)	316 SS SWAGELOK (DOUBLE FERRULE)		

* INSTRUMENT NOZZLES AND PIPING CONTAINING GLYCOL SHALL BE CL300

										ONE (1) UNIT REQUIRED			
								DRAWN	BGR	The information contained herein is	the		
		G	2013	BGR			REV. PER CLIENT MARK-UPS	DATE	2013-06-06		for		
		F	2013	BGR			REV. PER CLIENT MARK-UPS	SCALE	NTS	PRODUCTION EQUIPMENT LTD. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. Accordant of the control of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. **POP OIL PRODU	nall ird		
		Ε	2013	BGR			REV. PER CLIENT MARK-UPS	CHK'D		+GP of the ALCO GAS & OIL PRODUCTION EQUIPMENT LIMITED PARTNERSHIP. Alco Gas and Oil Production Equipment	Ltd.		
		D		BGR			REV. PER CLIENT MARK-UPS		ISOME	TRIC LAYOUT / NOTES & SPECIFICATIONS			
		С		BGR			REV. PER CLIENT MARK-UPS	UTILITY LEP		LEP DIRECT FIRED HEAT MEDIUM PACKAGE			
		В	2013 08-0	BGR			RE-ISSUED FOR APPROVAL			TAG: 002-PK-21-2000			
D-2013-8426-51F-001/003	MECHANICAL FLOWSHEET	Α	2013	BGR			ISSUED FOR CUSTOMER APPROVAL			R CPF PROJECT L.S.D. 11-02-038-08 W	iΜ		
DWG.	DESCRIPTION			REV.		APP'D	DESCRIPTION	CUSTO	MER: DEVON	CANADA CORP.			
REFERENCE DRAWINGS			REVISIONS				VISIONS	DWG	/SHOP OR	RDER: D-2013-8426-51A-001/003 REV. G			