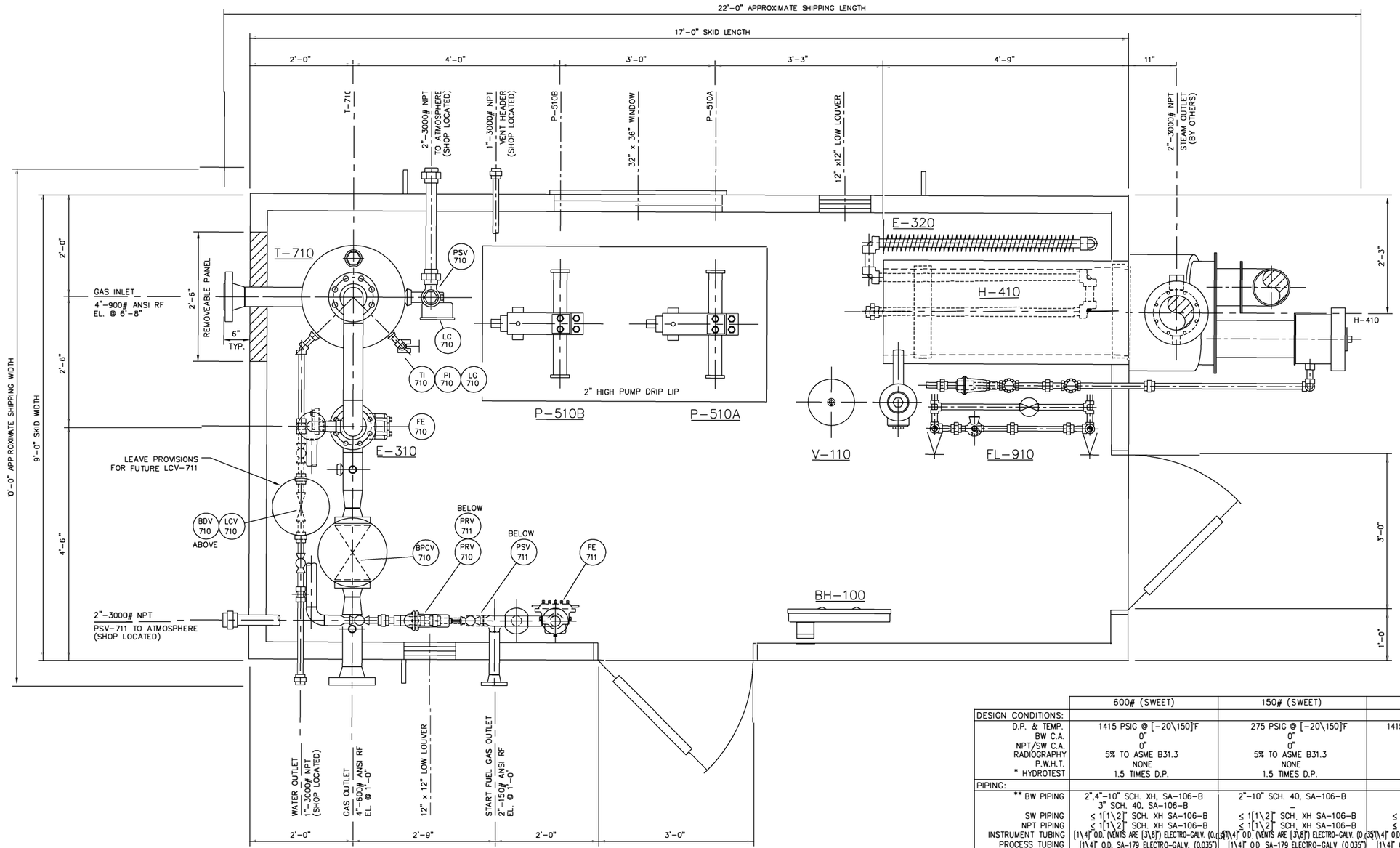

	600# (SWEET)	150# (SWEET)	GLYCOL PIPING
DESIGN CONDITIONS:			
D.P. & TEMP.	1415 PSIG @ [-20\150]°F	275 PSIG @ [-20\150]°F	1415/275 PSIG @ [-20\150]°F
BW C.A.	0"	0"	–
NPT/SW C.A.	0"	0"	0"
RADIOGRAPHY	5% TO ASME B31.3	5% TO ASME B31.3	NONE
P.W.H.T.	NONE	NONE	NONE
* HYDROTEST	1.5 TIMES D.P.	1.5 TIMES D.P.	1.5 TIMES D.P.
PIPING:			
** BW PIPING	2",4"-10" SCH. XH, SA-106-B 3" SCH. 40, SA-106-B	2"-10" SCH. 40, SA-106-B –	– –
SW PIPING	≤ 1[1\2]" SCH. XH SA-106-B	≤ 1[1\2]" SCH. XH SA-106-B	≤ 2" SCH. XH SA-106-B
NPT PIPING	≤ 1[1\2]" SCH. XH SA-106-B	≤ 1[1\2]" SCH. XH SA-106-B	≤ 2" SCH. XH SA-106-B
INSTRUMENT TUBING	[1\4]" O.D. (VENTS ARE [3\8]") ELECTRO-GALV. (0.035")	[1\4]" O.D. (VENTS ARE [3\8]") ELECTRO-GALV. (0.035")	[1\4]" O.D. (VENTS ARE [3\8]") ELECTRO-GALV. (0.035")
PROCESS TUBING	[1\4]" O.D. SA-179 ELECTRO-GALV. (0.035")	[1\4]" O.D. SA-179 ELECTRO-GALV. (0.035")	[1\4]" O.D. SA-179 ELECTRO-GALV. (0.035")
FITTINGS:			
BW FITTINGS	3" – 4" SCH. 40, SA-234-WPB –	2" – 10" SCH. 40, SA-234-WPB –	– –
SW FITTINGS	≤ 1[1\2]" 3000# SA-105	≤ 1[1\2]" 3000# SA-105	≤ 2" 3000# SA-105
NPT FITTINGS	≤ 1[1\2]" 3000# SA-105	≤ 1[1\2]" 3000# SA-105	≤ 2" 3000# SA-105
FLANGES	RFWN BORE TO PIPE, SA-105	RFWN BORE TO PIPE, SA-105	–
GASKETS	304SS x [1\8]" THK. FLEXITALLIC	304SS x [1\8]" THK. FLEXITALLIC	–
BOLTING	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-106-B
INSTR. TUBING FITTINGS	CAD. PLATED C.S. PARKER A-LOK	CAD. PLATED C.S. PARKER A-LOK	CAD. PLATED C.S. PARKER A-LOK
PROCESS TUBING FITTINGS	CAD. PLATED C.S. PARKER A-LOK	CAD. PLATED C.S. PARKER A-LOK	CAD. PLATED C.S. PARKER A-LOK

*LOW PRESSURE NPT/SW PIPING IS AIR TESTED AT 100 PSIG.
**PIPE SCHEDULE IS SELECTED BASED ON PRESSURE AND CORROSION LIMITS.
***ALLOW [1\16]" GAP IN SOCKET WELDING.

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE MECHANICAL FLOWSHEET.
2. PROCESS PIPING TO BE DESIGNED TO ASME B31.3 2004 EDITION.
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: SURFACE PREPARATION: MECHANICALLY CLEAN TO SSPC-SP2/3.
   PRIMER: 1[S\C] CLOVERDALE #T-101 GREY OVERALL.
   FINISH PAINT: 1[S\C] CLOVERDALE #20-F-34 (SERIES #111) WARM GREY MARINE ENAMEL.
6. ALL ELEVATIONS SHOWN ARE FROM TOP OF MAIN SKID MEMBERS. DEPTH OF SKID IS 0'-6".
7. ALL SKID EDGE CONNECTIONS TO BE HELD AT DIMENSIONS AND ELEVATIONS SHOWN FOR CUSTOMER TIE-INS.
8. SKID IS DESIGNED FOR A FOUR (4) POINT LIFT.
9. METER RUN MANIFOLDS ARE INDIVIDUALLY VENTED [O\S] BUILDING. BLEED TYPE INSTRUMENTS, REGULATOR BONNETS, INSTRUMENT CASES AND CONTROL VALVE ACTUATORS ARE VENTED TO A 1"-NPT LOW PRESSURE VENT HEADER.
10. [1\2]"f9 INSTRUMENT GAS HEADER AS SHOWN. SHOP TO RUN AS REQUIRED WITH [1\4]"f9 TAKE-OFFS [C\W] ISOLATION NEEDLE VALVE, 67 CFR REGULATOR, AND TUBING TO COMPLETE.
11. REMOVE ALL FLOATS/DISPLACERS FROM ALL LEVEL CONTROLLERS AND SWITCHES. TAG AND CRATE FOR SHIPPING.
12. ALL P.I. AND T.I. LOCATIONS ARE PROVIDED WITH SS TAGS FOR FIELD RE-INSTALLATION.
13. PROTECT ALL OPENINGS FOR SHIPPING.
14. ESTIMATED SHIPPING WEIGHT (LESS T-710): 13,000 lbs.
    WEIGHT OF T-710: 9,000 lbs.
15. ZERO (0) OPERATING MANUALS AND THREE (3) QUALITY CONTROL DATA BOOKS ARE PROVIDED.

TWO (2) UNIT'S REQUIRED

DWG.	DESCRIPTION	REV.	DATE	REV. BY	CHK'D BY	APP'D BY	DESCRIPTION
B-2006-7578-50B	BILL OF MATERIALS						
D-2006-7578-50F-001	MECHANICAL FLOWSHEET	0	2006-02-16	KRT			ISSUED FOR CONTRUCTION

REFERENCE DRAWINGS — REVISIONS

DRAWN	KRT
DATE	2006-02-14
SCALE	1"=1'-0"
CHK'D	

ALCO GAS & OIL PRODUCTION EQUIPMENT LTD.

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LAYOUT/ASSEMBLY
STOCK GLYCOL DEHYDRATION PACKAGE
24" O.D. CONTACTOR [W\] 250,000 [BTU\HR] REBOILER

CUSTOMER: CORDERO ENERGY INC. [C\O] SEIDUTZ ENGINEERING LTD.

DWG/SHOP ORDER: D-2006-7578-50A-001 CUST REV. 0

D-2006-7578-50A-001.dwg, USER: Turnock, DATE: 02/16/2006 - 1:11 P