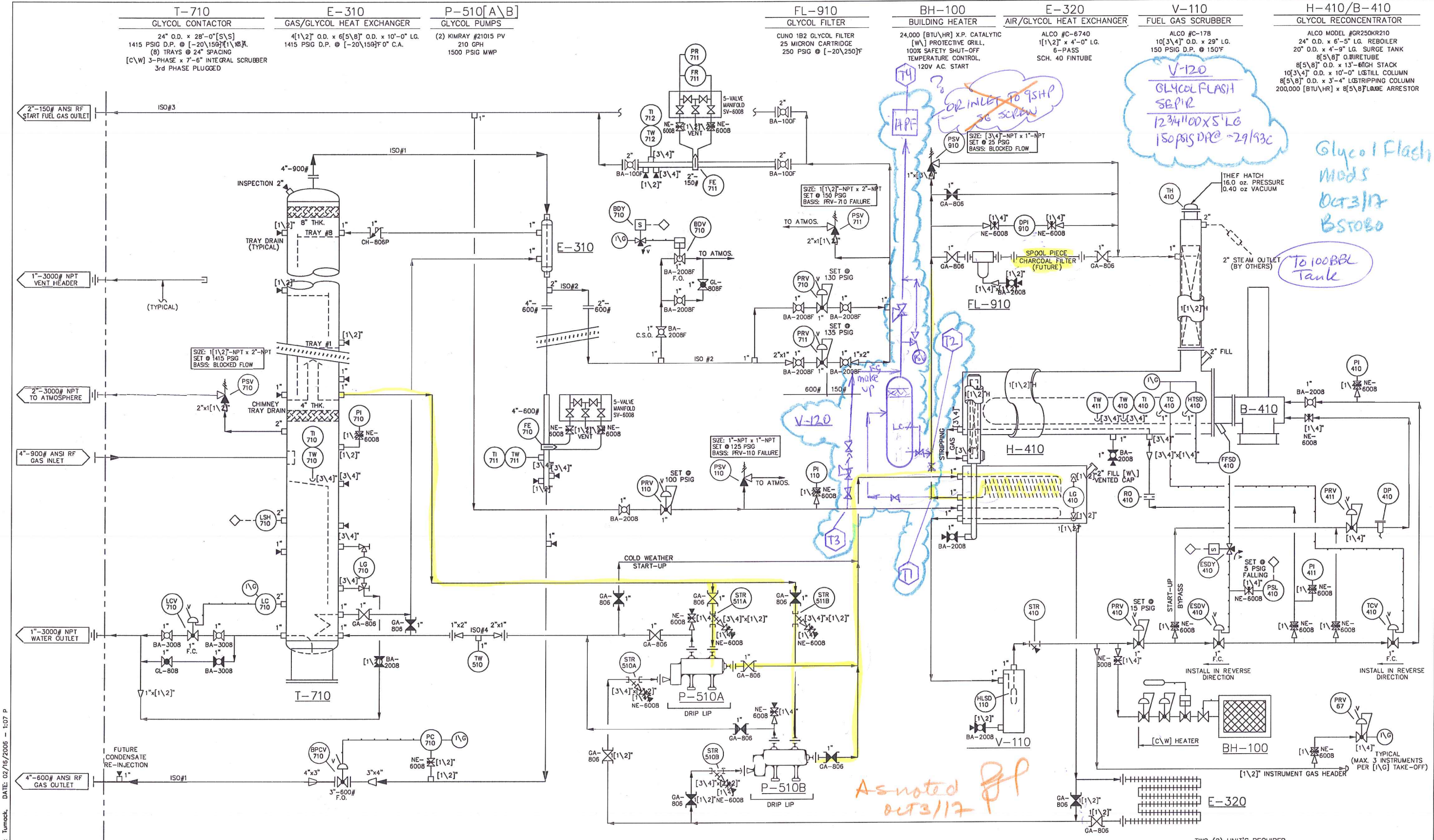
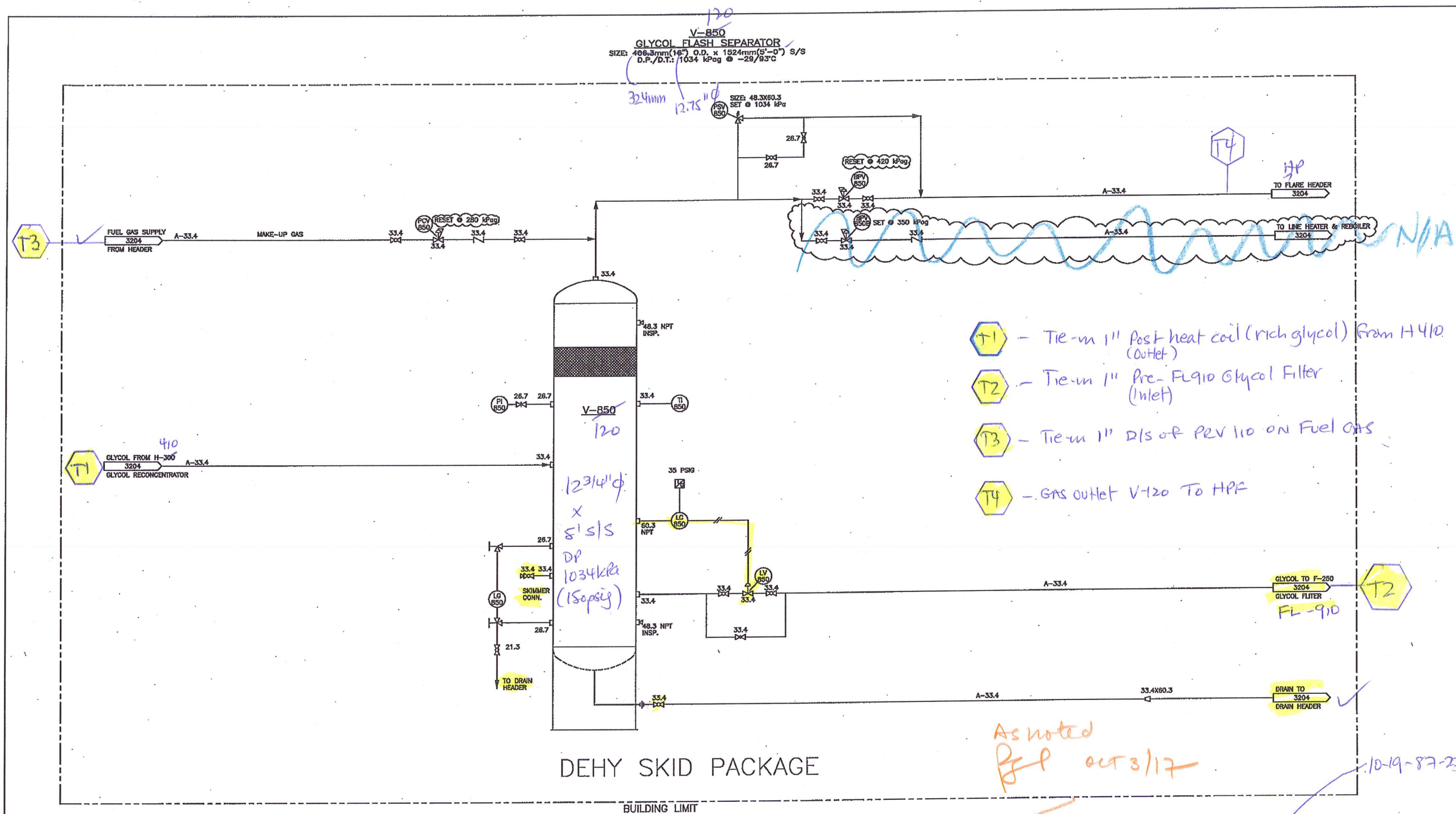




VALVE TAGGING GA-818 VALVE TYPE: BA = BALL, CA = GATE, CL = GLOBE, CH = CHECK, NE = NEEDLE, BB = B BGE (BLOCK [W] BLEED), BV = B BTERFLY, SV = SPECIALTY SUFFIX: X = END-CONNECTION, TRIM = PRESSURE RATING PRESSURE RATINGS: 1 = 150# ANSI, 3 = 300# ANSI, 6 = 600# ANSI, 8 = 800# ANSI, 9 = 900# ANSI, 15 = 1500# ANSI/1500# API, 20 = 2000# WOG, 25 = 2500# ANSI/2500# API, 30 = 3000# WOG, 40 = 4000# WOG, 60 = 6000# WOG END CONN.: 0 = RF, 1 = RTJ, 6 = SW, 7 = NPT x SW, 8 = NPT, 9 = MNPT x FNPT SUFFIX: F = FULL PORT, S = SWING CHECK, P = PISTON CHECK [WOG PRESSURE RATINGS ONLY APPLY TO THREADED AND SOCKET-WELDED BALL VALVES.]		NOTES: 1. * ITEMS SUPPLIED BY EQUIPMENT VENDOR. 2. ** ITEMS SUPPLIED BY CUSTOMER & INSTALLED BY ALCO. 3. *** DENOTES TURBINE METERS REQUIRING A MIN. STRAIGHT PIPE LENGTH OF 10/9 UPSTREAM & 5/9 DOWNSTREAM.		GENERAL LEGEND: 1. — DENOTES PNEUMATIC TIE-IN. 2. — DENOTES PNEUMATIC COMPRESSOR PANEL TIE-IN. 3. — DENOTES CAPILLARY TIE-IN. 4. — DENOTES ELECTRICAL TIE-IN (BY OTHERS). 5. — DENOTES ELECTRICAL JUNCTION BOX TIE-IN. 6. — DENOTES LOCAL PLC TIE-IN (BY OTHERS). 7. — DENOTES LOCAL ELECTRICAL PANEL TIE-IN. 8. — DENOTES FIELD MOUNTED INSTRUMENT. 9. — DENOTES LOCAL PANEL INSTRUMENT. 10. — DENOTES LOCAL PANEL INSTRUMENT (MOUNTED INSIDE PANEL).		REFERENCE DRAWINGS B-2006-7578-50B BILL OF MATERIALS D-2006-7578-50A-00 LAYOUT/ASSEMBLY DWG. DESCRIPTION REV. DATE REV. BY REV. DATE REV. BY		REVISIONS ISSUED FOR CONSTRUCTION DESCRIPTION REV. DATE REV. BY		ALCO GAS & OIL PRODUCTION EQUIPMENT LTD. MECHANICAL FLOWSHEET STOCK GLYCOL DEHYDRATION PACKAGE 24" O.D. CONTACTOR [W] 250,000 [BTU/HR] REBOILER CUSTOMER: CORDERO ENERGY INC. [C\O] SEIDLITZ ENGINEERING LTD. DWG/SHOP ORDER: D-2006-7578-50F-001 CUST REV. 0	
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D-2006-7578-50F-001.dwg USER: Turnock DATE: 02/15/2006 - 1:07 P

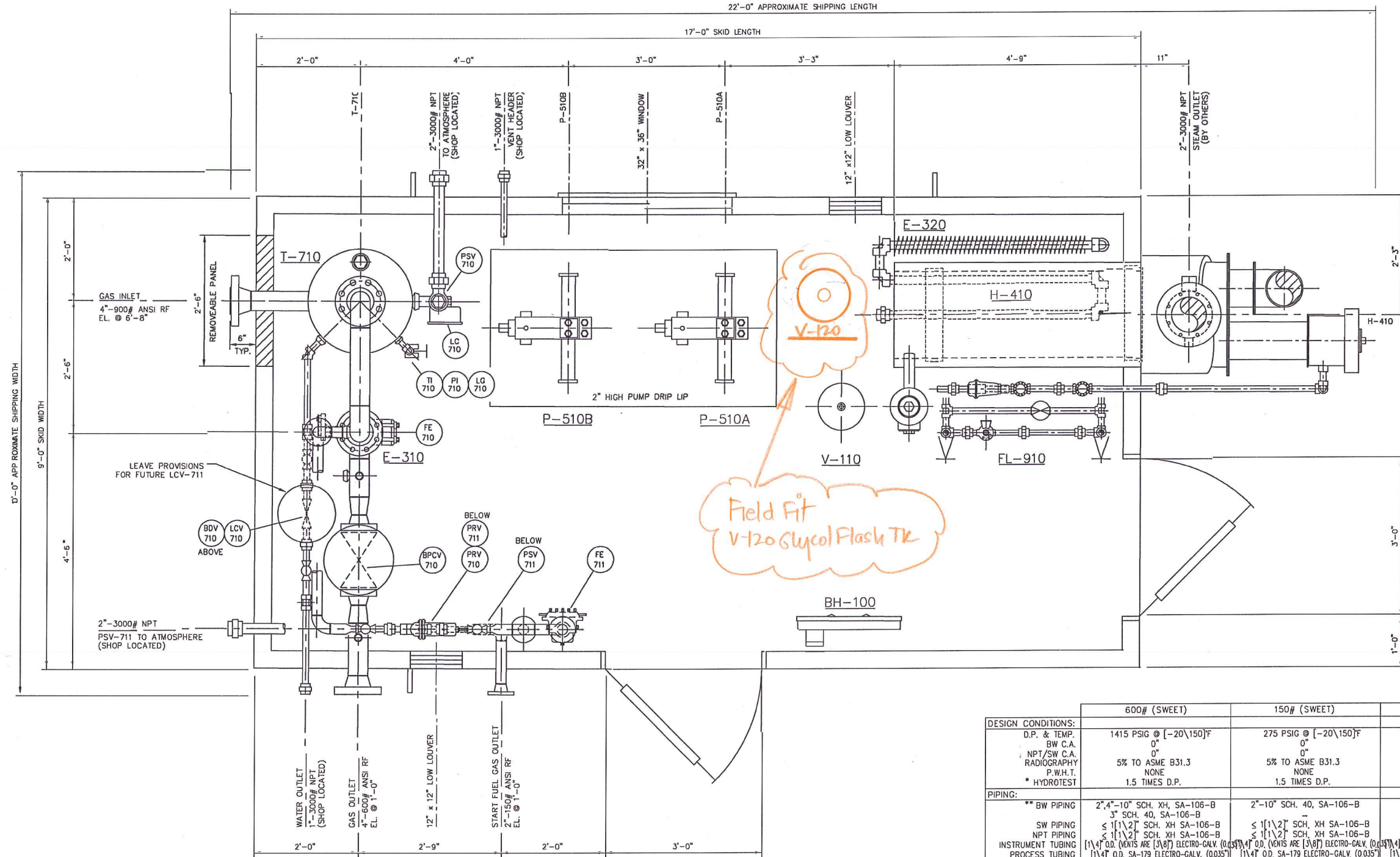


- T1 - Tie-in 1" Post heat coil (rich glycol) from H410 (Outlet)
- T2 - Tie-in 1" Pre-FL910 Glycol Filter (Inlet)
- T3 - Tie-in 1" Dis of PEV 110 on Fuel Gas
- T4 - Gas outlet V-120 To HPP

As noted
RFP out 3/17

10-19-87-23 W6

GENERAL NOTES	ENGINEER'S STAMP	REVISIONS					 RAPID RESPONSE PROJECT Ltd.	DRAWN BY: JH	DATE: 05 11 08	EXALTA 40110 WELLSITE FACILITY LSD 10-9-79-5-W6M P&ID DEHY PACKAGE (SHEET 2)							
		NO.	DATE	DESCRIPTION	BY	APP'D		DESIGN BY:	DATE:		CHECKED BY:	DATE:	ENGINEER:	DATE:	APPROVED:	DATE:	SCALE: N.T.S.
		0	06 01 10	ISSUED FOR REVIEW	KL	CS											
		1	06 01 16	ISSUED FOR CONSTRUCTION	JL	CS											
		2	06 03 14	AS BUILT	KL	CS											
		3	06 04 10	FLASH GAS LINE ADDED	VT	CS											



Field Fit
V-120 Glycol Flash Tr

GENERAL NOTES:

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

As noted for
out 3/17

	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
B.W. C.A.	0"	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. 40, SA-106-B	2"-10" SCH. 40, SA-106-B	-
SW PIPING	3" SCH. 40, SA-106-B	3" SCH. 40, 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[1\2]" SCH. XH SA-106-B	≤ 1[1\2]" SCH. XH SA-106-B	≤ 2" SCH. XH SA-106-B
PROCESS TUBING	1[1\4]" O.D. (VENTS ARE 3[8]" ELECTRO-GALV. (0.035))	1[1\4]" O.D. (VENTS ARE 3[8]" ELECTRO-GALV. (0.035))	1[1\4]" O.D. (VENTS ARE 3[8]" 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[1\8]" THK. FLEXITALLIC	304SS x 1[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.

TWO (2) UNIT'S REQUIRED

B-2006-7578-50B	BILL OF MATERIALS	DRAWN	KRT
D-2006-7578-50F-001	MECHANICAL FLOWSHEET	DATE	2006-02-14
DWG.	DESCRIPTION	SCALE	1"=1'-0"
REFERENCE DRAWINGS	REVISIONS	CHECK'D	
CUSTOMER: CORDERO ENERGY INC. [C\O] SEIDUTZ ENGINEERING LTD.			
DWG/SHOP ORDER: D-2006-7578-50A-001 CUST			
REV. 0			

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