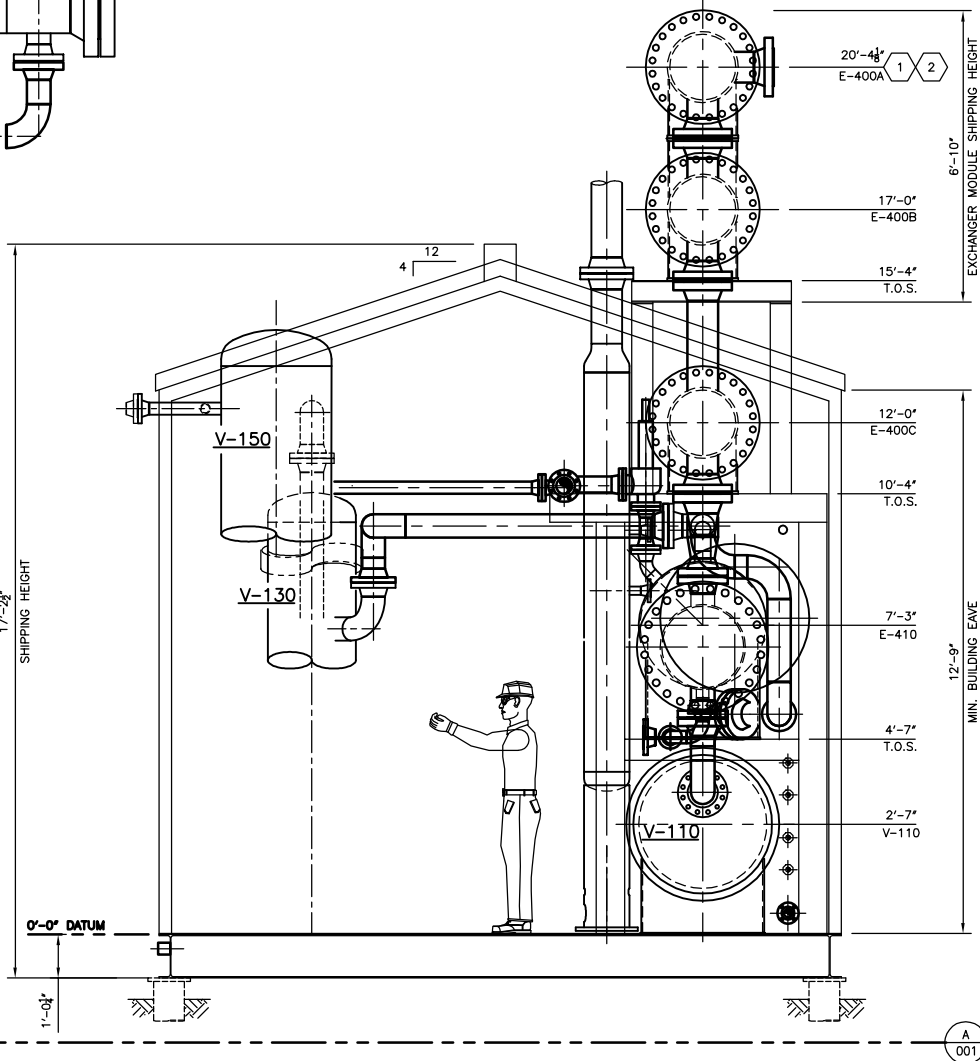


GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE MECHANICAL FLOWSHEET.
- PROCESS PIPING TO BE DESIGNED TO ASME B31.3 2002 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: COMMERCIAL SANDBLAST TO SSPC-SP6
PRIMER: 1 5/8 CLOVERDALE #T101 GREY OVERALL
FINISH PAINT: 1 5/8 CLOVERDALE #20-F-34 WARM GREY SERIES 111 MARINE ENAMEL.
- ALL ELEVATIONS SHOWN ARE FROM TOP OF MAIN SKID MEMBERS. DEPTH OF SKID IS 1'-0 1/4".
- ALL SKID EDGE CONNECTIONS TO BE HELD AT DIMENSIONS AND ELEVATIONS SHOWN FOR CUSTOMER TIE-INS.
- SKID IS DESIGNED FOR A EIGHT (8) POINT LIFT.
- BLEED TYPE INSTRUMENTS AND METER RUN MANIFOLD ARE VENTED TO COMMON HEADER
REGULATOR BONNETS, INSTRUMENT CASES AND CONTROL VALVE ACTUATORS ARE NOT VENTED.
- 1 1/8" INSTRUMENT AIR HEADER AS SHOWN. SHOP TO RUN AS REQUIRED WITH 1/4" TAKE-OFFS
3/4" ISOLATION NEEDLE VALVE, 67 CFR REGULATOR, AND TUBING TO COMPLETE.
- REMOVE ALL FLOATS/DISPLACERS FROM ALL LEVEL CONTROLLERS AND SWITCHES. TAG & CRATE FOR SHIPPING.
- ALL THERMOWELLS TO BE TAGGED WITH "TW" TAG NUMBERS.
- PROTECT ALL OPENINGS FOR SHIPPING.
- ESTIMATED SHIPPING WEIGHTS: PROCESS SKID (LESS T-600 TOP SECTION): _____ lbs.
T-600 TOP SECTION: _____ lbs.
EXCHANGER (E-400A/B) SKID: _____,000 lbs.
AERIAL COOLER: _____ lbs.
- FOUR (4) OPERATING MANUALS AND FOUR (4) QUALITY CONTROL DATA BOOKS ARE PROVIDED.
- ALL INSTRUMENTS TO BE TAGGED WITH STAINLESS TAG.


NO PROVISION IS INCLUDED FOR THE FOLLOWING:

- RECYCLE GAS COMPRESSION PACKAGE.
- CHEMICALS AND LUBRICANTS.
- INSULATION ON FLANGES OR VALVES ON INSULATED LINES.
- FUGITIVE EMISSION STUDY TO DECLASSIFY BUILDING TO A DIV. 2 AREA.
- ELECTRICAL WORK (COMPRESSOR PANEL ELECTRICAL ONLY).
- COMBUSTIBLE GAS DETECTORS.
- START-UP FLUIDS OR SPARE PARTS.
- BEARING RTD'S.



PIPING DESIGN CONDITIONS			
DESIGN CONDITIONS:	600#	300#	150#
D.P. & TEMP.	1350 PSIG @ -20/150°F	400 PSIG @ -20/400°F	270 PSIG @ -20/150°F
BW C.A.	1/16"	1/16"	1/16"
NPT/SW C.A.	0"	0"	0"
RADIOGRAPHY	5% OF BW PIPING PER ASME B31.3	5% OF BW PIPING PER ASME B31.3	5% OF BW PIPING PER ASME B31.3
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**	3" & 4" SCH. 40, SMLS SA-106-B/SA-333 Gr.6 2" & 6" SCH. 80, SMLS SA-106-B/SA-333 Gr.6 ≤ 1 1/2" SCH. XH, SMLS SA-106-B/SA-333 Gr.6 3/8" O.D. CAD PLATED C.S. (0.035") 1/2" O.D. CAD PLATED C.S. (0.049")	2" - 6" SCH. 40, SMLS SA-106-B/SA-333 Gr.6 - ≤ 1 1/2" SCH. XH, SMLS SA-106-B/SA-333 Gr.6 3/8" O.D. CAD PLATED C.S. (0.035") 1/2" O.D. CAD PLATED C.S. (0.049")	2" - 6" SCH. 40, SMLS SA-106-B/SA-333 Gr.6 - ≤ 1 1/2" SCH. XH, SMLS SA-106-B/SA-333 Gr.6 3/8" O.D. CAD PLATED C.S. (0.035") 1/2" O.D. CAD PLATED C.S. (0.049")
NPT/SW PIPING			
INSTRUMENT TUBING			
PROCESS TUBING			
FITTINGS:			
BW FITTINGS	3" & 4" SCH. 40, SA-234-WPB/SA-420-WPL6 2" & 6" SCH. 80, SA-234-WPB/SA-420-WPL6 ≤ 1 1/2" 3000# SA-105/SA-350-LF2 ≤ 1 1/2" 3000# SA-105/SA-350-LF2 RFWN BORE TO PIPE, SA-105/SA-350-LF2 304SS x 1/8" THK. FLEXITALLIC SA-193-B7/SA-194-2H SCH. 160, SMLS SA-106-B CAD. PLATED SWAGELOK	2" - 4" SCH. 40, SA-234-WPB/SA-420-WPL6 - ≤ 1 1/2" 3000# SA-105/SA-350-LF2 ≤ 1 1/2" 3000# SA-105/SA-350-LF2 RFWN BORE TO PIPE, SA-105/SA-350-LF2 304SS x 1/8" THK. FLEXITALLIC SA-193-B7/SA-194-2H SCH. 160, SMLS SA-106-B CAD. PLATED SWAGELOK	2" - 4" SCH. 40, SA-234-WPB/SA-420-WPL6 - ≤ 1 1/2" 3000# SA-105/SA-350-LF2 ≤ 1 1/2" 3000# SA-105/SA-350-LF2 RFWN BORE TO PIPE, SA-105/SA-350-LF2 304SS x 1/8" THK. FLEXITALLIC SA-193-B7/SA-194-2H SCH. 160, SMLS SA-106-B CAD. PLATED SWAGELOK
SW FITTINGS			
NPT FITTINGS			
FLANGES			
GASKETS			
BOLTING			
PUMP/L.G. NIPPLES			
TUBING FITTINGS			

*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.

										DRAWN SCK		<div> GAS & OIL PRODUCTION EQUIPMENT LTD.</div> <p>The information contained herein is the confidential property of Alco Gas and Oil Production Equipment Ltd., and is not for publication. The information is issued on the understanding that no part thereof shall be copied or communicated to a third party without authorization in writing from Alco Gas and Oil Production Equipment Ltd.</p>
										DATE 2005-09-12		
										SCALE 1/2"=1'-0"		
										CHK'D		
												SECTION AND NOTES GAS REFRIGERATION PLANT
D-2005-7462-50F		MECHANICAL FLOWSHEET		A	2005-09-12	SCK				ISSUED FOR APPROVAL		LOCATION: FORT ASSINABOINE L.S.D.: 07-25-062-06 W5M
DWG.		DESCRIPTION		REV.	DATE	REV. BY	REV. DATE	REV. BY	DESCRIPTION		CUSTOMER: FORT ENERGY CORPORATION % BOWER DAMBERGER ROLSETH ENGINEERING LTD.	
REFERENCE DRAWINGS				REVISIONS				DWG/SHOP ORDER: D-2005-7498-50A-002/002				REV. A