



**S1 SUCTION SCRUBBER**  
 12 3/4" x 54" S/S  
 655 PSIG MAWP @ 300°F  
 CORR. ALLOW. 1/16"

**S2 INTERSTAGE SCRUBBER**  
 12 3/4" x 48" S/S  
 655 PSIG MAWP @ 300°F  
 CORR. ALLOW. 1/16"

**E1 I.C. COOLER SECTION**  
 655 PSIG MAWP @ 300/-20°F  
 CORR. ALLOW. 1/16"

**E2 A.C. COOLER SECTION**  
 1315 PSIG MAWP @ 300/-20°F  
 CORR. ALLOW. 1/16"

PROPRIETARY MATERIAL  
 NOT TO BE RE-PRODUCED OR DISTRIBUTED  
 WITHOUT THE PRIOR WRITTEN CONSENT OF  
 TOROMONT ENERGY SYSTEMS INC.

TOROMONT ENERGY SYSTEMS  
 SEP 15 2005  
 AS BUILT  
 PER

**MATERIAL SPECIFICATIONS**

**PAINT:** OVERALL UNIT: VALSPAR 20-F-34 "WARM GREY".  
**PRIMER:** COMMERCIAL IRON OXIDE NON-LIFTING PRIMER.  
**PROCESS PIPING:** 10% X-RAY - RT2, 1/16" CORROSION ALLOWANCE, SANDBLAST PIPING & VESSELS AFTER SUCTION SCREEN.  
**VESSELS:** 10% X-RAY - RT2, 1/16" CORROSION ALLOWANCE.  
**OIL:** ESSOLUBE GMA-40 IN ENGINE & COMPRESSOR FRAME.  
**GLYCOL:** 50% ETHYLENE INHIBITED GLYCOL/WATER SOLUTION IN ENGINE & AUXILIARY JACKET WATER SYSTEMS.  
**BILL OF MATERIALS:** ON SEPARATE SHEET PROVIDED WITH DRAWING.

**TUBING SERVICES**

SWEET:	PROCESS	UTILITY	INSTRUMENT	FRAME INTERNALS	TUBING	FITTINGS
	PROCESS	UTILITY - CONTACTING PROCESS	INSTRUMENT	FRAME INTERNALS	304 (SS)	ZINC PLATED (S)
					304 (SS)	ZINC PLATED (S)
					304 (SS)	ZINC PLATED (S)
					316 (SS)	316 (SS)

**NOTES**

- NOTE #1: SPACER PLATES ARE PROVIDED FOR FUTURE INSTALLATION OF ORIFICE PLATES (IF REQUIRED).
- NOTE #2: ALL THREADED PIPING ON SCRUBBERS IS SCH. 160.
- NOTE #3: VESSELS REGISTERED IN AB, B.C. & SASK.
- NOTE #4: BOLTING ON ALL PROCESS FLANGE CONNECTIONS IS: SA-193-B7 STUDS, SA-194-2H NUTS & 316ss GASKETS.
- NOTE #5: -
- NOTE #6: -

**GENERAL INFORMATION**

**COMPR. FRAME** - GEMINI H302-2  
 - RATED RPM = 1800  
 - SERIAL NUMBER = H302

**ENGINE** - CATERPILLAR G3304NA  
 - RATED 95 BHP @ 1800 RPM  
 - SERIAL NUMBER = N4F01254

**COOLER** - AIR-X-CHANGERS 42EH  
 - SERIAL NUMBER = 054017E

**PANEL** - SPARTAN CONTROLS MURPHYMATIC TTDJ-IGN-T  
 - SERIAL NUMBER = MJ-12902-AJ

CYL. STAGE #1 THROW #2 - SERIAL NUMBER = 022343-1-1  
 CYL. STAGE #2 THROW #1 - SERIAL NUMBER = 023086-1-1

**LEGEND**

- PROCESS LINES
- FUEL GAS, START GAS, DRAIN AND VENT LINES
- PNEUMATIC TUBING
- ELECTRICAL WIRING
- CAPILLARY
- SPACER
- SPECTICAL BLIND
- SCREEN (CONE STRAINER)

- PANEL CONNECTION - ELECTRIC
- PANEL CONNECTION - PNEUMATIC
- PANEL ALARM/SHUTDOWN
- ENGINE CONNECTION
- LOCAL MOUNTED INSTRUMENT
- PANEL MOUNTED INSTRUMENT
- PNEUMATIC TO CURRENT

**NOTE: SWEET PROCESS GAS**

No.	REVISION	DATE	BY
1	UNIT RENTED TO TRIFECTA & AS BUILT	08/26/05	JN
0	ISSUED FOR CONSTRUCTION	03/04/05	GP

TOROMONT ENERGY SYSTEMS  
 10121 - BARLOW TRAIL N.E. CALGARY ALBERTA CANADA

TITLE: PROCESS FLOW DIAGRAM  
 CATERPILLAR G3304NA / GEMINI H302-2  
 AIR-X-CHANGERS 42EH

CUSTOMER: TOROMONT ENERGY SYSTEMS  
 STOCK 95 HP GAS COMPRESSOR

SCALE: NONE DATE: 12/02/04 BY: GP DATE RELEASED: 01/10/05 RELEASED BY: [Signature]  
 STEP # 410 UNIT # 31275 DRAWING NO.: 31275-PFLOW REV: 1