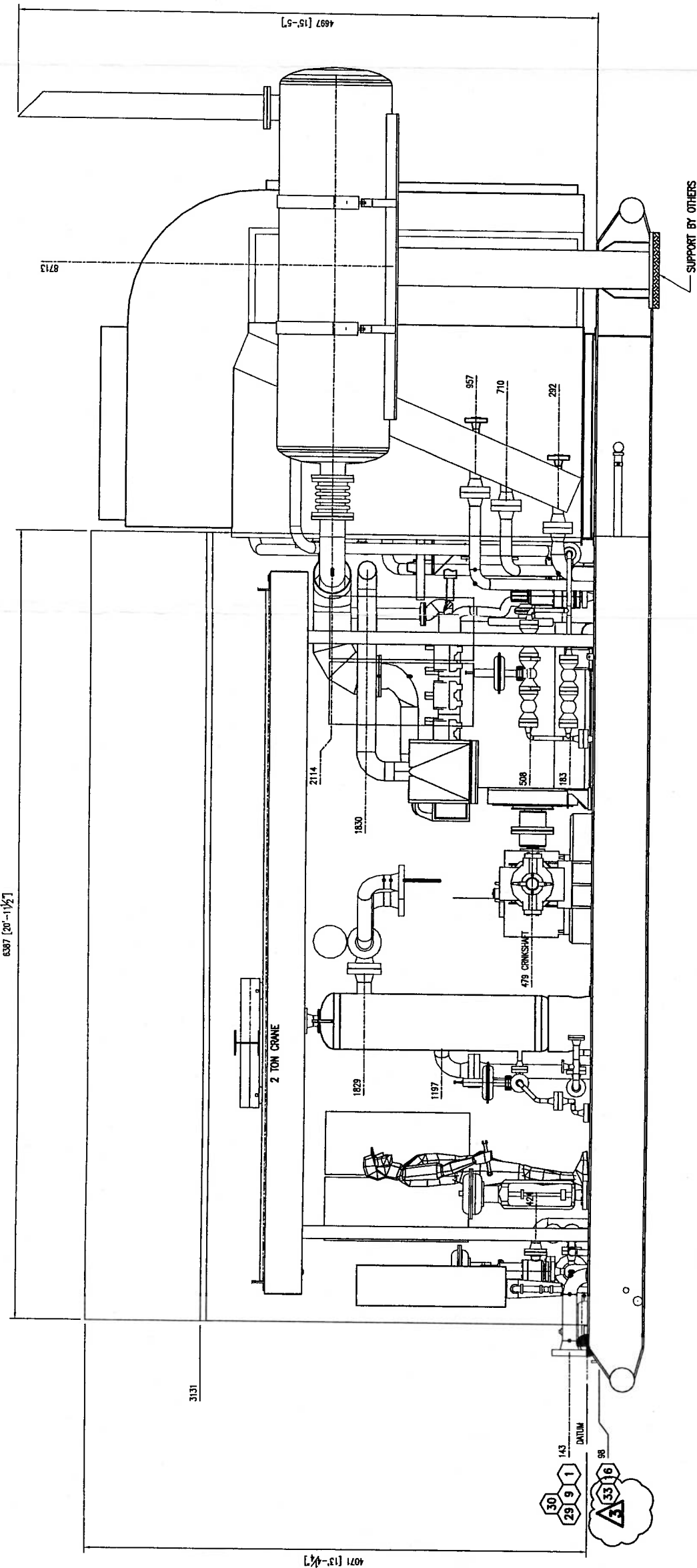




AS-BUILT

DATE MAR 24 2005

ELEVATION 'A-A'

REV	DESCRIPTION	DATE	DRAWN	CHECKED	BY
4	AS-BUILT	05/03/24	DH	BWS	
3	ADDED COST. CONN. FOR STARTER EXHAUST	05/01/07	NGN	KJB	
2	SKID EDGE CONNS. 15, 17, 18 RELOCATED	04/12/20	GRT	KJB	
1	ISSUED FOR CONSTRUCTION	04/12/20	GRT	KJB	
0	FOR APPROVAL	04/12/02	GRT	KJB	

SPX Compression

4700 47 Street SE Calgary AB Canada T2B 3H1 Canada Tel: +1-403-278-8900 Fax: +1-403-278-5387
www.spcompressor.com

TITLE: ELEVATION VIEW 'A-A'
ARIEL JGJ/2, WAUKESHA F18GL AIR-X-CHANGERS 96AEH COMPRESSOR PACKAGE

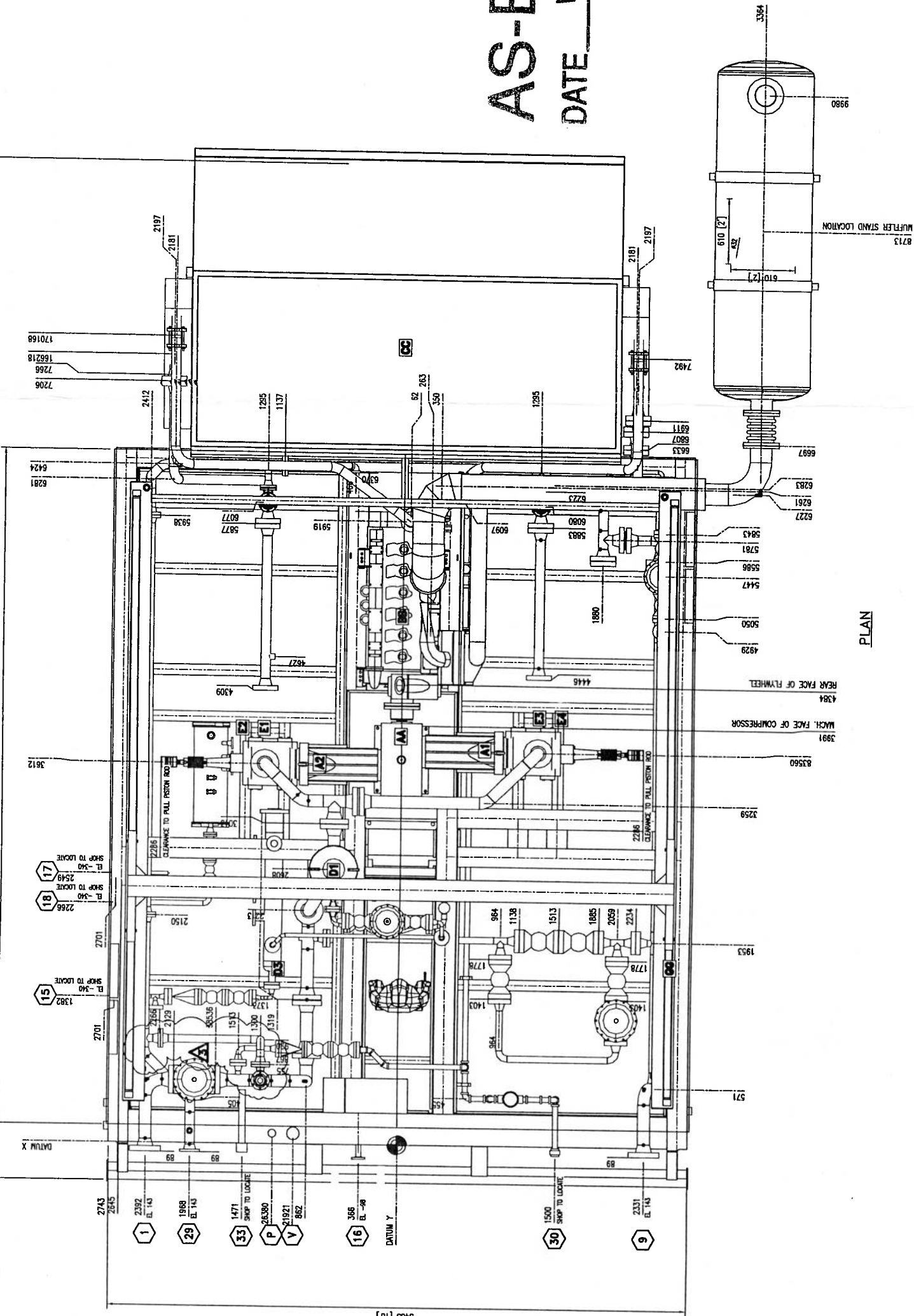
FOR: PETRO CANADA (PEPPERS 7-17)

CONSULTANT: P.O.:
DRAWN BY: GRT DESIGN BY: GRT DATE: 04/12/02
DATE: 04/12/02 CHKD BY: RLS DATE: 04/12/02
SCALE: 1:30 APPVD BY: GA-040752 DWG. No. OP# 10



9643 [31'-3 1/4"]

6387 [20'-1 1/2"] [BUILDING OAL]



PLAN

AS-BUILT
DATE MAR 2 4 2005

CUSTOMER CONNECTIONS		
NO.	DESCRIPTION	SIZE
1	STAGE ONE INLET	4"-900# RTJ
2	STAGE TWO INLET	N/A
9	FINAL DISCHARGE	4"-900# RTJ
15	MINI-BLOWCASE DISCHARGE	1"-900# RFWN
16	SCRUBBER DRAIN HEADER	1 1/2"-150# RFWN
17	SEAL POT VACUUM VENT	1" NPT
18	SEAL POT LIQUID DRAIN	1 1/2"-150# RFWN
29	PSV VENT HEADER	3"-150# RFWN
30	FUEL GAS SUPPLY	1 1/2" NPT
33	START GAS VENT	2" NPT

OTHER CUSTOMER LOCAL CONNECTIONS & VENTS		
NO.	DESCRIPTION	SIZE
P	WASTE OIL TANK VENT	1 1/2" NPT
V	WASTE OIL TANK PUMP OUT	3" NPT

SHIPPING WEIGHTS		
UNIT DIMENSIONS		
AA COMPRESSOR: ARIEL JGJ/2 771 KGS		
A2 (2) 4-5/8" 141" 2600 PSIG 1100 KGS		
BB ENGINE: Waukesha 7042 GL 5500 KGS		
CC COOLER: AR-X CHANGERS 96AEH 4922 KGS		
D1 18" DIA., 74" S/S 748 KGS		
D3 6-5/8" DIA., 48" S/S 163 KGS		
E1 12 3/4" OD x 10" S/S 163 KGS		
E2 10 3/4" OD x 20" S/S 163 KGS		
E3 12 3/4" OD x 10" S/S 163 KGS		
E4 10 3/4" OD x 20" S/S 163 KGS		
GG CONTROL PANEL XXXXX KGS		
SKID XXXXX KGS		
BUILDING 3400 KGS		
CRANE 1850 KGS		
MISC. XXXXX KGS		
TOTAL SHIPPING WEIGHT 29483 KGS		
SHIPPED LOOSE ITEMS XXXXX KGS		
TOTAL APPROX. UNIT WEIGHT 30000 KGS		

- GENERAL NOTES
- ALL TAIL DIMENSIONS FROM REFERENCE POINT.
 - THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS STAMPED "RELEASED FOR MANUFACTURE".
 - DO NOT SCALE THIS DRAWING.
 - ALL DIMENSIONS ARE IN MILLIMETERS.
 - FOR DESIGN PARAMETERS AND PAINT SPECIFICATION REFER TO PROJECT SCOPE SUMMARY DRAWING NO. SS-040752.
 - ALL PIPING MUST BE SELF SUPPORTING BEYOND UNIT CONNECTIONS.
 - LOCATIONS OF CUSTOMER CONNECTIONS ARE NOT GUARANTEED AS THESE DIMENSIONS MAY BE SUBJECT TO AN ACCUMULATION OF TOLERANCES ON SEVERAL COMPONENTS. MINOR CHANGES MAY ALSO BE MADE ON SCREWED SERVICE PIPING IN ORDER TO FACILITATE INSTALLATION AND MAINTENANCE. UPON COMPLETION A FINAL DRAWING WILL BE ISSUED WITH FIELD CONNECTIONS CORRECTED TO 5 mm.
 - IT IS EXX'S RECOMMENDATION THAT ANY PRE-SPOOLING TO THIS COMPRESSOR PACKAGE CONTAIN FIELD WELDS AT ALL CUSTOMER CONNECTIONS.
 - THE FOLLOWING ITEMS WILL BE SHIPPED LOOSE FOR FIELD INSTALLATION BY OTHERS.

REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
5	AS-BUILT	05/03/24	DH	BWS
4	PSV1 & HPT UPDATED	05/01/25	GMS	GMS
3	ADDED CUST. CONN. FOR STARTER EXHAUST	05/01/07	MGN	KJB
2	SKID EDGE CONNS. 15, 17, 18 RELOCATED	04/12/20	GRT	KJB
1	ISSUED FOR CONSTRUCTION	04/12/20	GRT	KJB
0	FOR APPROVAL	04/12/02	GRT	KJB

EXX Compression

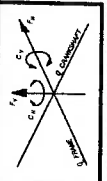
EXX Compression is a registered trademark of EXX Corporation. EXX Corporation is a registered trademark of EXX Corporation. EXX Corporation is a registered trademark of EXX Corporation.

TITLE: GENERAL ARRANGEMENT
ARIEL JGJ/2, WAUKESHA F18GL AIR-X-CHANGERS 96AEH
COMPRESSOR PACKAGE

FOR: PETRO CANADA
(PEPPERS 7-17)

CONSULTANT:
P.O.:
DESIGN BY: GRT DATE: 04/12/02
DRAWN BY: GRT DATE: 04/12/02
DATE: 04/12/02
SCALE: 1:30
LSD: 7-17-05-33 WSM
JOB No.: 040752
DWG. No.: GA-040752
OP# 10

COMPRESSOR UNBALANCED FORCES • 1800 RPM		
	PRIMARY	SECONDARY
HORIZONTAL FORCE, KIP	0.161	0.028
VERTICAL FORCE, KIP	0.00	0.00
HORIZONTAL COUPLE, KIP-FT	2.842	1.200
VERTICAL COUPLE, KIP-FT	0.00	0.00



BILL OF MATERIAL

ITEM	QTY	EFX CODE	DESCRIPTION
1	2	110400	VALVE BALL 1-1/2" 900# RF. CS. INCE C/W LOCKING (WAL. F183-02-52/4)
2	1	119382	VALVE CHECK SWING 1-1/2" 900# RF. BALL SS. INCE (WAL. F183-02-52/4)
3	1	114632	VALVE PSY 1-1/2" 900# RF. X 2-1/2" 150# RF. 500# INCE. J
4	1	113314	VALVE NEEDLE 3/4" 150# RF. X 1/2" 150# RF. 316SS. INCE. (CENTURY. CH2-1-1647-0N-1)
5	1	112544	GAUGE PRESSURE BAL. 4" LF. 0-10.000 KPA. METRIC. 1/2" [B.M.]
6	1	116605	GAUGE PRESSURE BAL. 4" LF. 0-10.000 KPA. METRIC. 1/2" [B.M.]
7	3	121911	SWITCH LEVEL. 2" NPT. 316SS (MURPHY L1700SS-S)
8	2	106444	FLANGE RF. WEL. 4" 600# X 2" NPT. RED. HUB
9	1	121234	VALVE GLOBE 1-1/2" 900# RF. LOC. BODY. INCE (WALCO. 24E-1F24-3-INT)
10	1	121235	VALVE GLOBE 1-1/2" 900# RF. LOC. BODY. INCE (WALCO. 24E-1F24-3-INT)
11	1	108837	VALVE BALL 3/4" NPT. 300# WOG. PP. CS. INCE C/W (WAL. F183-02-52/4)
12	1	103666	VALVE SET GLOBE INCE. 1/2" NPT. X 3/4" NPT. CS. 316SS (DANIEL. 719H-N)
13	1	103667	VALVE SET GLOBE INCE. 1/2" NPT. X 3/4" NPT. CS. 316SS (DANIEL. 719H-N)
14	1	104252	STRAINER CONE. 4" 600# SS. 40 MESH. 100% FLOW AREA
15	3	102046	VALVE BALL 1/2" NPT. 300# WOG. RF. CS. INCE C/W (WAL. F183-02-52/4)
16	2	118156	THERMOCOUPLE J TYPE. 316SS C/W (THERMOCOUPLES. J250-316S-000-30-0-000-0000)
17	1	118230	THERMOCOUPLE J TYPE. 316SS C/W (THERMOCOUPLES. J250-316S-000-30-0-000-0000)
18	1	118230	THERMOCOUPLE J TYPE. 316SS C/W (THERMOCOUPLES. J250-316S-000-30-0-000-0000)
19	1	118230	THERMOCOUPLE J TYPE. 316SS C/W (THERMOCOUPLES. J250-316S-000-30-0-000-0000)
20	1	118230	THERMOCOUPLE J TYPE. 316SS C/W (THERMOCOUPLES. J250-316S-000-30-0-000-0000)
21	1	118230	THERMOCOUPLE J TYPE. 316SS C/W (THERMOCOUPLES. J250-316S-000-30-0-000-0000)
22	1	121884	VALVE BALL 1/2" NPT. 300# WOG. RF. CS. INCE C/W (WAL. F183-02-52/4)
23	1	113282	GAUGE TEMP. 3" DIA. 8" STEEL. -20/120 DEG. C. METRIC. 1/2" NPT. (TRENCO. 3000)
24	1	118643	TRANSMITTER GAUGE PRESSURE. -14.7-200PSI. CSA (ROSEMOUNT. 305102S4816430)
25	1	110143	VALVE CHECK 1/2" TUBE. TO PS. 316SS. SOUR C/W EP SEALS (MURPHY. SS-CH8-EP-10)
26	6	102859	VALVE NEEDLE 3/2" TUBE. 316SS (MURPHY. SS-1195)
27	1	117024	VALVE CHECK PISTON. 1-1/2" 900# RF. CS. INCE (WALCO. 02-R1500A12)
28	1	120754	VALVE PSY. 1-1/2" 900# RF. X 2" 300# RF. 198 OR INCE. II (FARRIS. 28A11-20/57)
29	1	120754	VALVE PSY. 1-1/2" 900# RF. X 2" 300# RF. 198 OR INCE. II (FARRIS. 28A11-20/57)
30	1	120754	VALVE PSY. 1-1/2" 900# RF. X 2" 300# RF. 198 OR INCE. II (FARRIS. 28A11-20/57)
31	1	122725	VALVE GLOBE 1" 9/16" NPT. RF. CS. INCE LOW TEMP. (WALCO. 215F-02/4)
32	1	112544	VALVE SOLENOID. 2-WAY. 240VAC. CSA. 27. LOWER POWER. SS. (WALCO. 02-R1500A12)
33	1	118643	VALVE CHECK 1" 9/16" NPT. RF. CS. INCE LOW TEMP. (WALCO. 215F-02/4)
34	1	123347	VALVE GLOBE 1" 9/16" NPT. RF. CS. INCE C/W HANDLE (NUTRON. 13-2000S)
35	1	110778	VALVE GLOBE 1" 9/16" NPT. RF. CS. INCE C/W HANDLE (NUTRON. 13-2000S)
36	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
37	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
38	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
39	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
40	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
41	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
42	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
43	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
44	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
45	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
46	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
47	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
48	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
49	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
50	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
51	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
52	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
53	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
54	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
55	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
56	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
57	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
58	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
59	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
60	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
61	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
62	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
63	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
64	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
65	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
66	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
67	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
68	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
69	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
70	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
71	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
72	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
73	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
74	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
75	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
76	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
77	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
78	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
79	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
80	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
81	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
82	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
83	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
84	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
85	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
86	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
87	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
88	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
89	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
90	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
91	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
92	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
93	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
94	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
95	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
96	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
97	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
98	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
99	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)
100	1	105287	VALVE CHECK PISTON. 4" 600# RF. CS. INCE C/W REG (FISHER. DN6010)

AS-BUILT

DATE MAR 2 4 2005

NOTE: USE MONEL TUBING & FITTINGS FOR PROCESS TUBING CONNECTIONS.

REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
1	AS-BUILT	05/03/24	DN	BWS
2	NEEDLE VALVES ADDED	05/01/28	GR	AYH
3	TE/ACCOUNTANT ADDED	05/01/18	GR	GMS
4	REMOVED BLOWNAGE ELECTRICAL	05/01/07	MON	KJB
5	ISSUE FOR CONSTRUCTION	04/12/21	DN	KJB
6	ISSUE FOR APPROVAL	04/11/23	DN/AGN	KJB

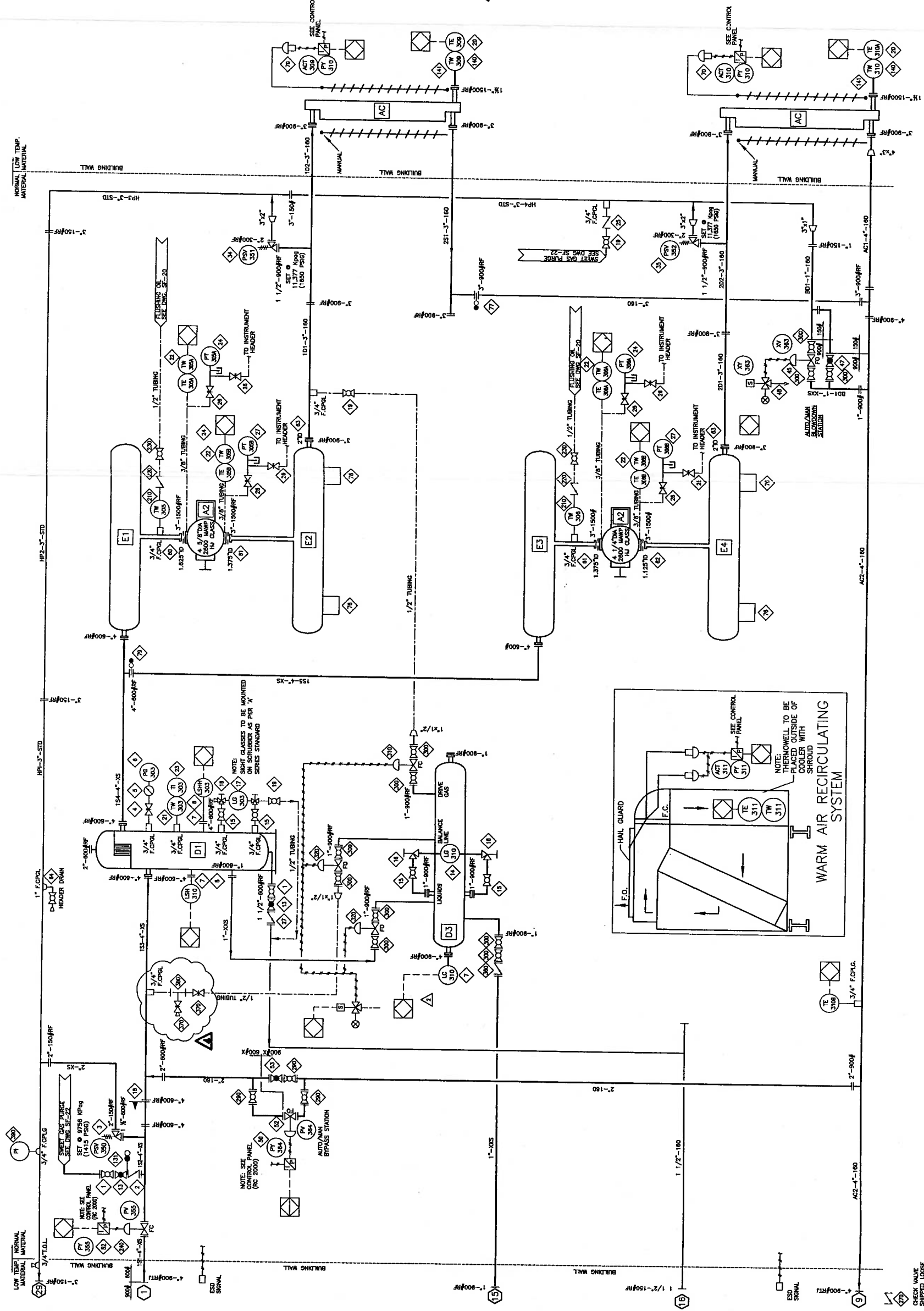
EPX Compression

4700 47 Street SE
Calgary AB Canada T2B 3H1
Canada Tel. +1.403.236.8800 Fax +1.403.279.0387
www.epx.com

TITLE:
PROCESS & INSTRUMENTATION DIAGRAM
ARIEL J61/2 WALKESHA F18CL AXC 96AEH
8400X COMPRESSOR PACKAGE

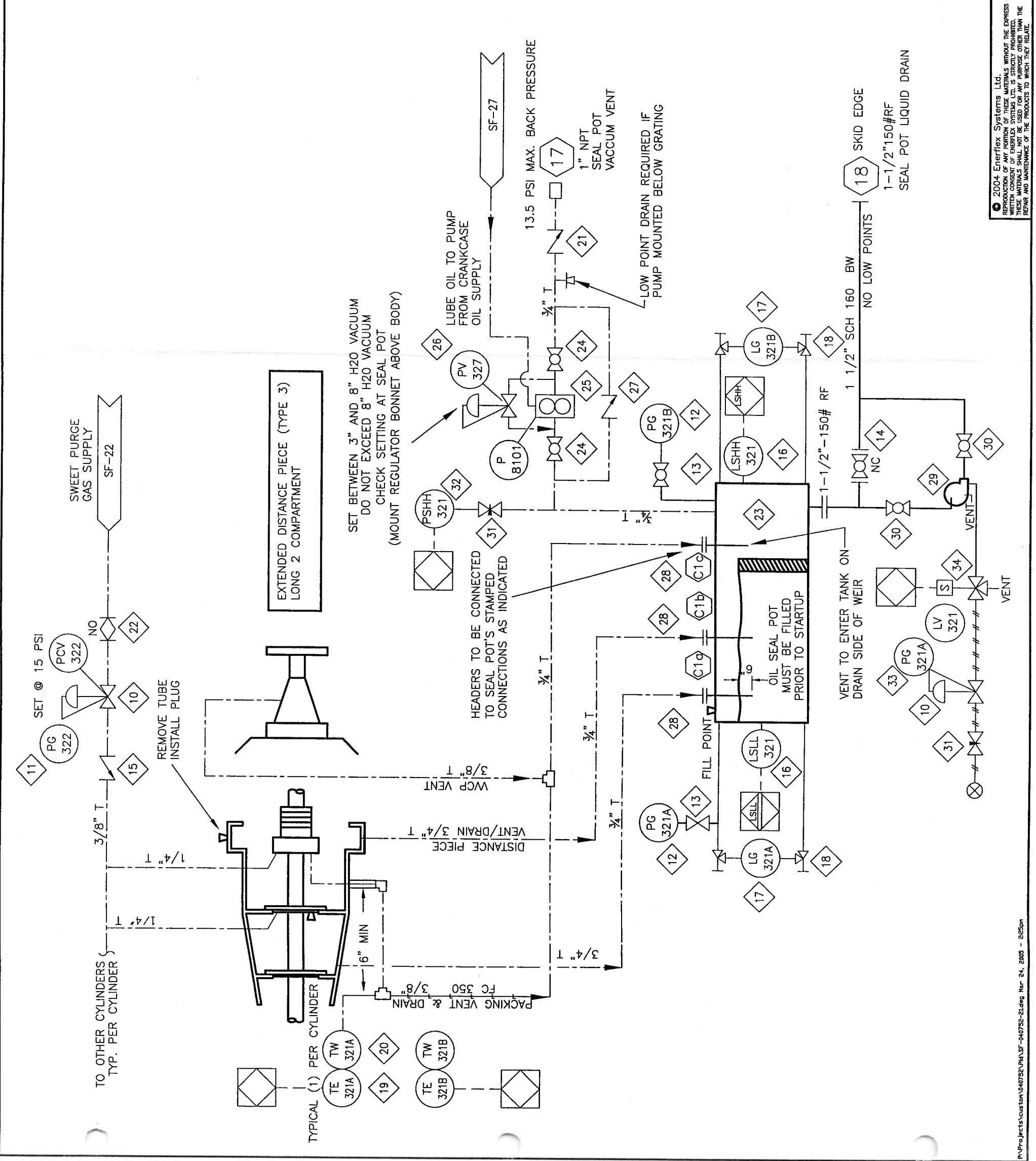
FOR:
PETRO-CANADA OIL & GAS
PEPPERS 7-17

CONSULTANT: COLT ENGINEERING
P.O.:
DESIGN BY: KJB
DATE: 04/11/23
SCALE: NTS
LSD: 7-17-52-53 WSM
JOB NO.: 040752
DWG. NO.:
OP #
APPROVED BY: PF-040752-50 50



© 2004 Enerflex Systems Ltd.
REPRODUCTION OF ANY PORTION OF THESE MATERIALS WITHOUT THE EXPRESS
WRITTEN PERMISSION OF ENERFLEX SYSTEMS LTD. IS PROHIBITED.
THESE MATERIALS SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THE
DESIGN AND CONSTRUCTION OF THE PROJECTS TO WHICH THEY RELATE.

CHECK VALVE
SHIPPED LOOSE
MOUNTED BY OTHERS



© 2004 Enerflex Systems Ltd.
REPRODUCTION OF ANY PORTION OF THESE MATERIALS WITHOUT THE EXPRESS WRITTEN CONSENT OF ENERFLEX SYSTEMS LTD. IS STRICTLY PROHIBITED.
THESE MATERIALS SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THE REPAIR AND MAINTENANCE OF THE PRODUCTS TO WHICH THEY RELATE.

ITEM		QTY	EFX CODE	DESCRIPTION
10	2	104872		REGULATOR, 1/4" NPT, ALUM, 0-125#, TAPPED (V/O PD (FISHER, 67CFR-601/SPEC)
11	1	107925		GAUGE, PRESSURE, CBM, 2" DRY, 0-60 PSI DIA., 1/4" NPT (VJKA, 1110J)
12	2	104407		GAUGE, PRESSURE, PM, 2-1/2" DRY, -20/20KPA METRIC 1/4" DMC DANIEL, K1600-SPEC/DRY)
13	2	102950		VALVE, BALL, 1/4" NPT, 2000# WOG, RP, 316SS, NACE C/M INVARCO, C1-R02S00A1
14	1	102887		VALVE, BALL, 1-1/2" 150# RF, FP, CS, NACE C/M LOCKING INUTRON, T3-F15R01S1J
15	1	118596		VALVE, CHECK, 3/8" TUBE, 1/3 PSI 316SS C/M VITON SEALS (NUPRO SS-CHSG-1/3)
16	2	104507		SWITCH, LEVEL, 1-1/2" NPT, CSA, SOUR C/M 316SS FIDAT (LINC, L471-01)
17	2	103667		GAUGE, LEVEL, CS WITH REFLEX FLAT GLASS, NACE, 2280# (DANIEL, 71RM-N1)
18	2	103696		VALVE, SET GAUGE, NACE, 1/2" FNPT X 3/4" MNPT, CS, 3470# (DANIEL, IS-NJ)
19	1	114007		***THERMOCOUPLE, K TYPE, 316SS C/M THERMOKINETICS, K-125-316-S-004-D-9-80S-VT2)
20	1	116701		***THERMOWELL, 316SS, 1/2"X1/2" MNPT X, 2-1/2" LONG, U=1"
21	1	110000		VALVE, CHECK, SWING, 1" NPT, 800# WOG, LOW TEMP, NACE (NEVCO, 38T-LF24/3)
22	1	102801		ALVE, PLUG, 3/8" TUBE, 316SS (NUPRO, SS-6P4T)
23	1	122022		TANK, LEFT HAND, PACKING VENT & DRAIN, 17.6 US GAL / 67 L, FLANGED, SOUR
24	2	102937		VALVE, BALL, 1" NPT, 2000# WOG, RP, 316SS, NACE C/M LOCKING (NACED, C1-R10S20A1)
25	1	118637		PUMP, VACUUM, ROTARY VANE C/M MOTOR 1800RPM, 3HP, 230V/1/50, XP, OUTLINE, LGA-181
26	1	117059		***VACUUM BREAKER, 1-1/2" NPT, WCB, 3-8"VC, SOUR SERVICE (FISHER, 7610A-2/SPEC)
27	1	102817		VALVE, CHECK, INLINE, 3/4" FNPT, SET @ 5 PSIG, 316SS (NUPRO, SS-CH12-5)
28	3	122031		FLANGE, ADAPTER, RF, 1" 150# X 3/4" TUBE, 316LSS, (SVADELUX, SS-1210-F16-150)
29	1	117781		PUMP, DIAPHRAGM, 1" NPT, ALUM, SOUR GAS, CSA (WARREN RUPP, G1FBIATANKX003)
30	2	103045		VALVE, BALL, 1" NPT, 3000# WOG, RP, CS, NACE C/M (VAM, R0136-CS2-43-32/H1)
31	2	105097		ALVE, NEEDLE, 3/8" TUBE, 316SS (WHITET, SS-1V56)
32	1	105097		SWITCH, PRESSURE, 500 MWP, 3-20R, 1-18F, XP, ALUM (COS, 6900GE12)
33	1	112556		GAUGE, PRESSURE, BM, 2-1/2" LF, 0-700 KPA, METRIC, 1/4" DMC DANIEL, KD-SPEC-LF1
34	1	112546		VALVE, SOLENOID, 3-WAY, 24VDC, CSA, XP, LOWER POWER, SS, (ASCO, EF9314G301-243)

ITEM		QTY	EFX CODE	DESCRIPTION
10	2	104872		REGULATOR, 1/4" NPT, ALUM, 0-125#, TAPPED (V/O PD (FISHER, 67CFR-601/SPEC)
11	1	107925		GAUGE, PRESSURE, CBM, 2" DRY, 0-60 PSI DIA., 1/4" NPT (VJKA, 1110J)
12	2	104407		GAUGE, PRESSURE, PM, 2-1/2" DRY, -20/20KPA METRIC 1/4" DMC DANIEL, K1600-SPEC/DRY)
13	2	102950		VALVE, BALL, 1/4" NPT, 2000# WOG, RP, 316SS, NACE C/M INVARCO, C1-R02S00A1
14	1	102887		VALVE, BALL, 1-1/2" 150# RF, FP, CS, NACE C/M LOCKING INUTRON, T3-F15R01S1J
15	1	118596		VALVE, CHECK, 3/8" TUBE, 1/3 PSI 316SS C/M VITON SEALS (NUPRO SS-CHSG-1/3)
16	2	104507		SWITCH, LEVEL, 1-1/2" NPT, CSA, SOUR C/M 316SS FIDAT (LINC, L471-01)
17	2	103667		GAUGE, LEVEL, CS WITH REFLEX FLAT GLASS, NACE, 2280# (DANIEL, 71RM-N1)
18	2	103696		VALVE, SET GAUGE, NACE, 1/2" FNPT X 3/4" MNPT, CS, 3470# (DANIEL, IS-NJ)
19	1	114007		***THERMOCOUPLE, K TYPE, 316SS C/M THERMOKINETICS, K-125-316-S-004-D-9-80S-VT2)
20	1	116701		***THERMOWELL, 316SS, 1/2"X1/2" MNPT X, 2-1/2" LONG, U=1"
21	1	110000		VALVE, CHECK, SWING, 1" NPT, 800# WOG, LOW TEMP, NACE (NEVCO, 38T-LF24/3)
22	1	102801		ALVE, PLUG, 3/8" TUBE, 316SS (NUPRO, SS-6P4T)
23	1	122022		TANK, LEFT HAND, PACKING VENT & DRAIN, 17.6 US GAL / 67 L, FLANGED, SOUR
24	2	102937		VALVE, BALL, 1" NPT, 2000# WOG, RP, 316SS, NACE C/M LOCKING (NACED, C1-R10S20A1)
25	1	118637		PUMP, VACUUM, ROTARY VANE C/M MOTOR 1800RPM, 3HP, 230V/1/50, XP, OUTLINE, LGA-181
26	1	117059		***VACUUM BREAKER, 1-1/2" NPT, WCB, 3-8"VC, SOUR SERVICE (FISHER, 7610A-2/SPEC)
27	1	102817		VALVE, CHECK, INLINE, 3/4" FNPT, SET @ 5 PSIG, 316SS (NUPRO, SS-CH12-5)
28	3	122031		FLANGE, ADAPTER, RF, 1" 150# X 3/4" TUBE, 316LSS, (SVADELUX, SS-1210-F16-150)
29	1	117781		PUMP, DIAPHRAGM, 1" NPT, ALUM, SOUR GAS, CSA (WARREN RUPP, G1FBIATANKX003)
30	2	103045		VALVE, BALL, 1" NPT, 3000# WOG, RP, CS, NACE C/M (VAM, R0136-CS2-43-32/H1)
31	2	105097		ALVE, NEEDLE, 3/8" TUBE, 316SS (WHITET, SS-1V56)
32	1	105097		SWITCH, PRESSURE, 500 MWP, 3-20R, 1-18F, XP, ALUM (COS, 6900GE12)
33	1	112556		GAUGE, PRESSURE, BM, 2-1/2" LF, 0-700 KPA, METRIC, 1/4" DMC DANIEL, KD-SPEC-LF1
34	1	112546		VALVE, SOLENOID, 3-WAY, 24VDC, CSA, XP, LOWER POWER, SS, (ASCO, EF9314G301-243)

AS-BUILT

DATE MAR 2 4 2005

NOTES

1. SEAL POT VENT TO ATMOSPHERE IS NOT RECOMMENDED FOR PERSONNEL SAFETY REASONS.
2. TOP OF OIL SEAL POT ELEVATION TO BE LOCATED AT A MINIMUM OF 6" BELOW BOTTOM OF COMPRESSOR DISTANCE PIECE.

REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
3	AS-BUILT	05/03/24	DH	BWS
2	TAG UPDATED	05/01/19	GRT	KJB
1	ISSUE FOR CONSTRUCTION	04/12/21	DH	KJB
0	ISSUE FOR APPROVAL	04/12/02	DH/MGN	KJB

Enerflex Compression

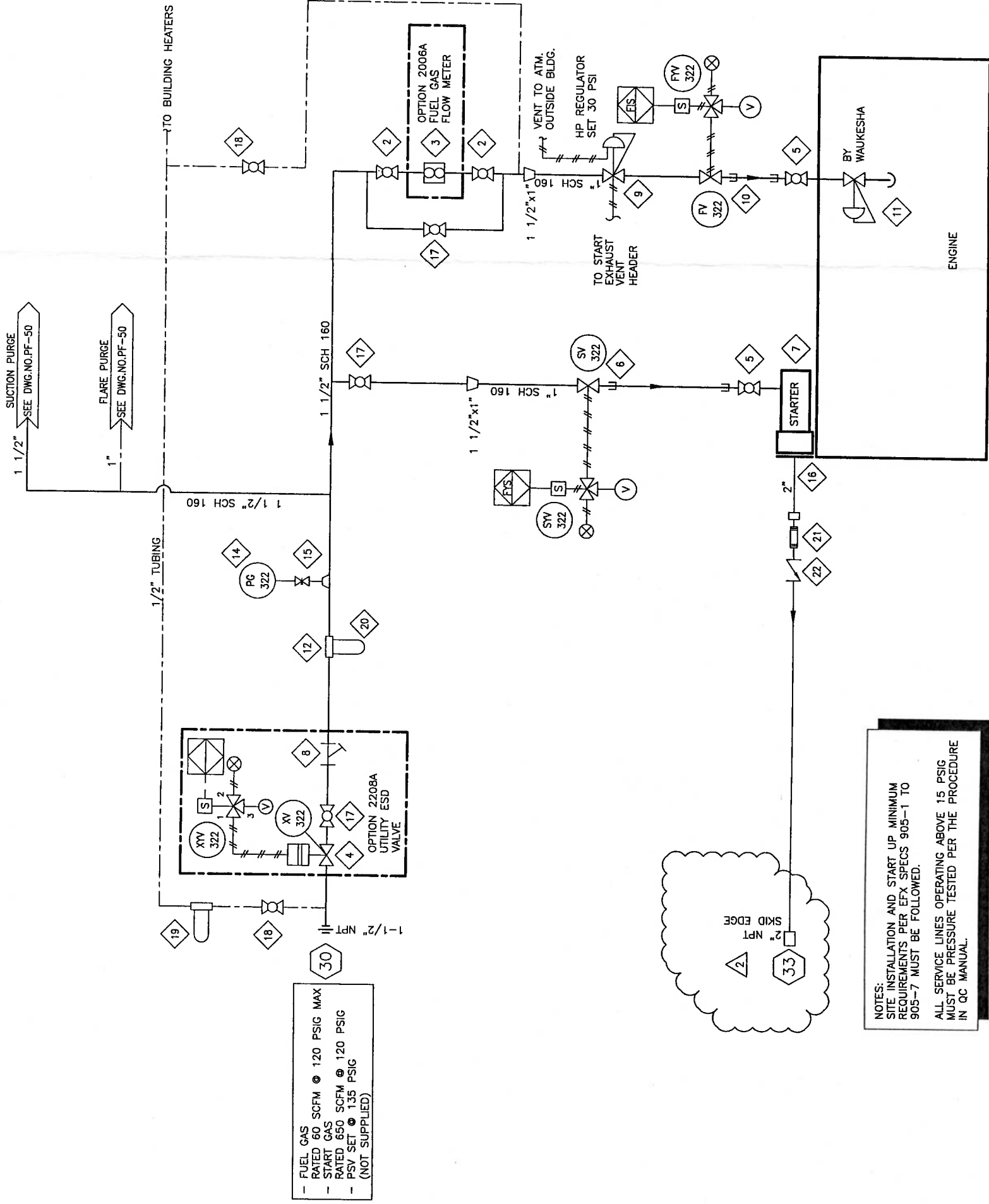
4700 47 Street SE Calgary AB Canada T2B 3R1 Canada Tel. +14032366800 Fax +14032790367
www.enerflex.com

TITLE:		SERVICE FLOW PACKING VENT & DRAIN SYSTEM H2S 5% > COMPRESSOR PACKAGE	
FOR:		PETRO CANADA OIL AND GAS PEPPERS 7-17	
CONSULTANT:		COLT ENGINEERING	
P.O.:		LSD: JOB No.: 040752	
DESIGN BY: JH	DATE: 04/11/24	DWG. No.	OP#
CHKD BY: KJB	DATE: 04/11/25	DATE: 04/11/25	DATE: 04/11/25
APPR BY: R. G. G.	DATE: 04/11/25	DATE: 04/11/25	DATE: 04/11/25
SCALE: NTS		DATE: 04/11/25	DATE: 04/11/25
		SF-040752-21	
		21	

ITEM	QTY	EFX CODE	DESCRIPTION
------	-----	----------	-------------

ITEM	QTY	EFX CODE	DESCRIPTION
2	2	102923	VALVE, BALL, 1-1/2" NPT, 2000# WOG, FP, CS C/W LOCKING [NUTRON, T3-F15S20B]
3	1	101154	FLOW METER, FUEL GAS, 1-1/2" FNPT (METRIC) [ROOTS, 8C17S]
4	1	104960	VALVE, CONTROL, 1-1/2" NPT, FP, 2000#WOG, CS C/W BALL VLV&ACT FC [NUTRON/BETNIS]
5	2	102836	VALVE, BALL, 1" NPT, 2000# WOG, RP, CS C/W LOCKING HANDLE
6	1	103764	VALVE, RELAY, GAS, 1-1/4" NPT, MAMP 450 PSI [TDI, RLVA25833001200]
7	1	103747	STARTER, AIR/GAS, STD 120-55 PSIG, PRE-ENGAGED, [TDI TURBOSTART, T306-60015-01R]
8	1	102830	STRAINER, Y, 1-1/2" NPT, 1480 PSIG MAMP, CS, 1/32" SS SCREEN [ALTA, YS-600]
9	1	104851	REGULATOR, 1" NPT, DI, 1/2" OR, 15-40# SPR RING, SET @ 30 PSIG [FISHER, 6Z7R-19B]
10	1	104950	VALVE, CONTROL, 1" NPT, CAST IRON, 9/16" OR, 5-35 PSI, ON/OFF [FISHER, 119-12]
11	1	NPN-REC	>> FUEL GAS REGULATOR BY WAUKESHA
12	1	115569	FILTER, 1-1/2" FNPT C/W 200-35-DX ELEMENT &SS PLUG [PARKER, CB312N-0A0-DX-S453]
14	1	116808	GAUGE, PRESSURE, PM, 2-1/2" LF, 0-1400 KPA METRIC, 1/4" NPT [WKKA, 233.5J]
15	1	102806	VALVE, NEEDLE, 1/4" TUBE, CS C/W SS FERRULES [WHITEY, S-1V54]
16	1	120608	FLANGE, STARTER EXHAUST, STRAIGHT, 2" NPTM, CS [TDI, T30-27399]
17	3	103028	VALVE, BALL, 1-1/2" NPT, 3000# WOG, FP, CS C/W LOCKING [WMK, FB138-CS-43-CS/HL]
18	2	110109	VALVE, BALL, 1/2" NPT, 2000# WOG, FP, SS, 2-PIECE C/W LOCKING HANDLE [NAS, GZ]
19	1	115568	FILTER, 1" FNPT C/W 150-19-DX ELEMENT & SS PLUG [PARKER, CB208N-0A0-DX-S453]
20	1	110229	X-SUPPORT, FUEL GAS FILTER, B-SERIES
21	1	104693	HOSE, BRANDED STEEL, 2" NPTM ENDS X 12' LONG
22	1	116885	VALVE, CHECK, SWING, 2" NPT, 800# WOG, CS [NAVCO, CS-R20SOB48] ***** ***** *****

DATE MAR 24 2005



REV		DESCRIPTION	DATE	DRAWN BY	CHECKED BY
0		ISSUE FOR APPROVAL	04/12/02	DH/MGH	KJB
1		ISSUE FOR CONSTRUCTION	04/12/21	DH	KJB
2		ADOSED CUSTOMER CONNECTION FOR STARTER EXHAUST	02/01/07	MGH	KJB
3		AS-BUILT	09/03/24	DH	DWG

EFX Compression

4700 47 Street SE Calgary AB Canada T2B 3R1 Canada Tel. +1.403.238.8800 Fax +1.403.279.0367
www.enneflex.com

FILE & START GAS SYSTEM

Waukesha F18GL
B400X Compressor Package

2: PE

© 2004 ENERFLEX Systems Ltd.
REPRODUCTION OF ANY PORTION OF THESE MATERIALS WITHOUT THE EXPRESS WRITTEN CONSENT OF ENERFLEX SYSTEMS LTD. IS STRICTLY PROHIBITED. THESE MATERIALS SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THE REPAIR AND MAINTENANCE OF THE PRODUCTS TO WHICH THEY RELATE.

2004 ENERFLEX Systems Ltd.

THESE MATERIALS SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THE REPAIR AND MAINTENANCE OF THE PRODUCTS TO WHICH THEY RELATE.

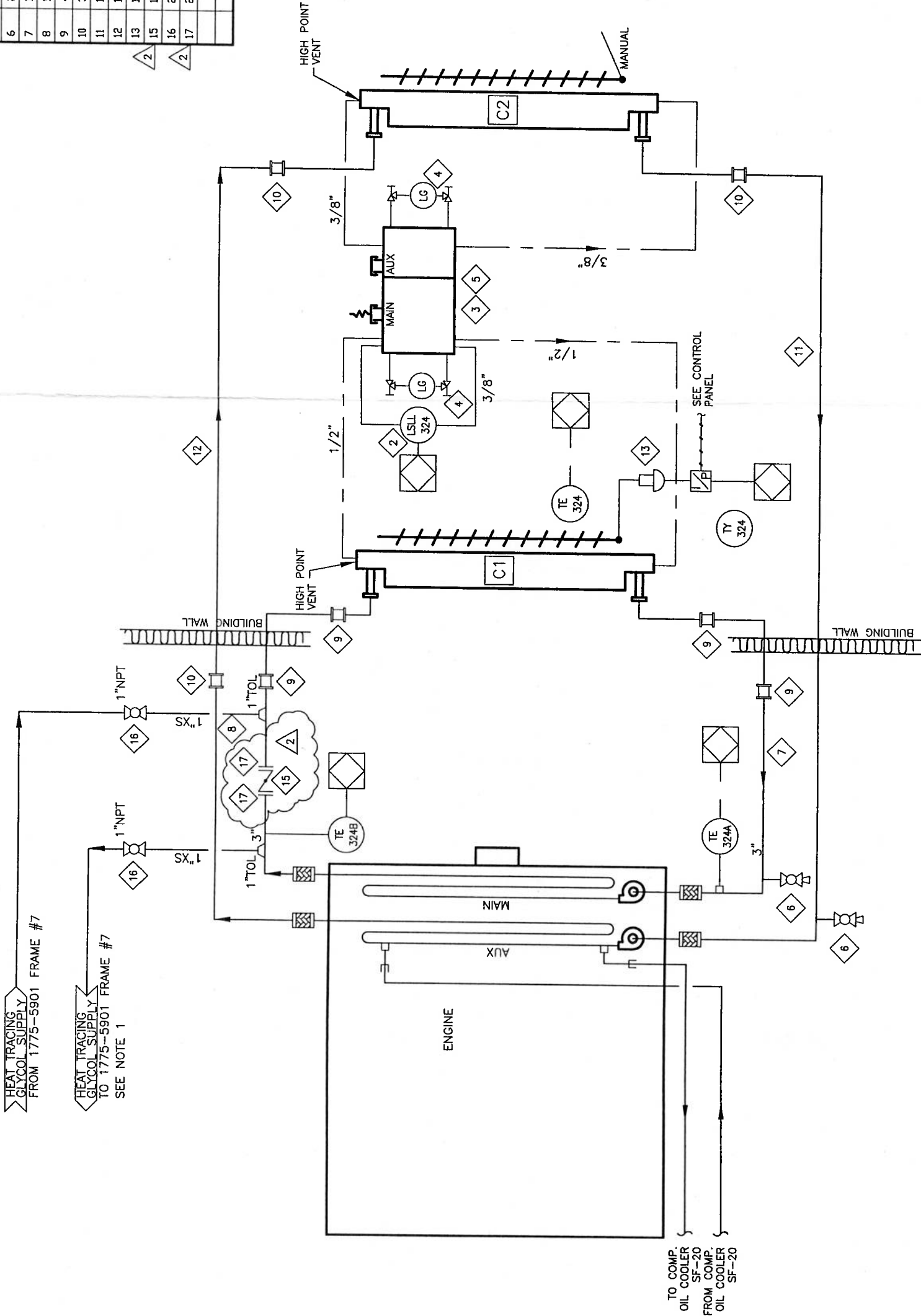
P:\Projects\custom\040752\Fid\SF-040752-22.dwg Mar 24, 2005 - 1:53pm

BILL OF MATERIAL

ITEM	QTY	EFX CODE	DESCRIPTION
2	1	104482	GAUGE, LEVEL, COOLANT WITH SIGHT GLASS, SPDT MURPHY, EL150K1J
3	1	109170	TANK, COOLANT SURGE, B400/401/530/570
4	2	104559	VALVE, SET GAUGE, SWEET, 5/8" OD TUBULAR X 1/2" MNPT, BRASS [CRANE, 20-104-03]
5	1	107270	COOLANT, 50/50 GLYCOL/WATER, 50C (20SL DRUM) [UCARTHERM, 1277952]
6	2	102972	VALVE, BALL, 3/4" NPT, 2000# WDG, RP, A105 BODY, NACE C/W ENAVCO, HI-R07S20S1
7	1		PIPE, JACKET WATER COLD, B400
8	1		PIPE, JACKET WATER HOT, B400
9	4	101235	COUPLING, STRAIGHT, 3", STYLE 38 CRESSER, 0038-0187-011J
10	3	101245	COUPLING, STRAIGHT, 2", STYLE 90 CRESSER, 0090-0005-082J
11	1		PIPE, AUX.WATER COLD, B400
12	1		PIPE, AUX.WATER HOT, B400
13	1		ACTUATOR, FISHER, 656-5 [AIR-X1]
15	1	116635	VALVE, BUTTERFLY, 3" 150#, WAFER STYLE, DUCTILE IRON BODY, [KF, BG-030-0411125J]
16	2	102937	VALVE, BALL, 1" NPT, 2000#WDG, RP, 316SS, NACE C/W LOCKING [NAVCO, CI-R10S20A]
17	2	106556	FLANGE, RF SW, 3" 150# SCH STD S4105N

BILL OF MATERIAL: Q CP030359 - ASSEMBLY, ENGINE COOLING SYSTEM, F18GL
DATE-TIME EXPORTED: 2003-03-25-1520

NOTE:
1. GLYCOL SUPPLY TO PETRO CANADA
DWG. 1775M01 FRAME 7 of 7



AS-BUILT

DATE MAR 24 2005

REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
3	AS-BUILT	05/03/24	DH	BWS
2	CHANGED VALVE TO FLANGED BUTTERFLY	05/01/07	MGN	KJB
1	ISSUE FOR CONSTRUCTION	04/12/21	DH	KJB
0	ISSUE FOR APPROVAL	04/12/02	DH/MGN	KJB

EFX Compression

4700 47 Street SE Calgary AB Canada T2B 2B1 Canada Tel: +14032366800 Fax: +14032790267
www.efer-flex.com

TITLE: WAUKESHA F18GL ENGINE COOLING SYSTEM

FOR: PETRO CANADA OIL AND GAS PEPPERS 7-17

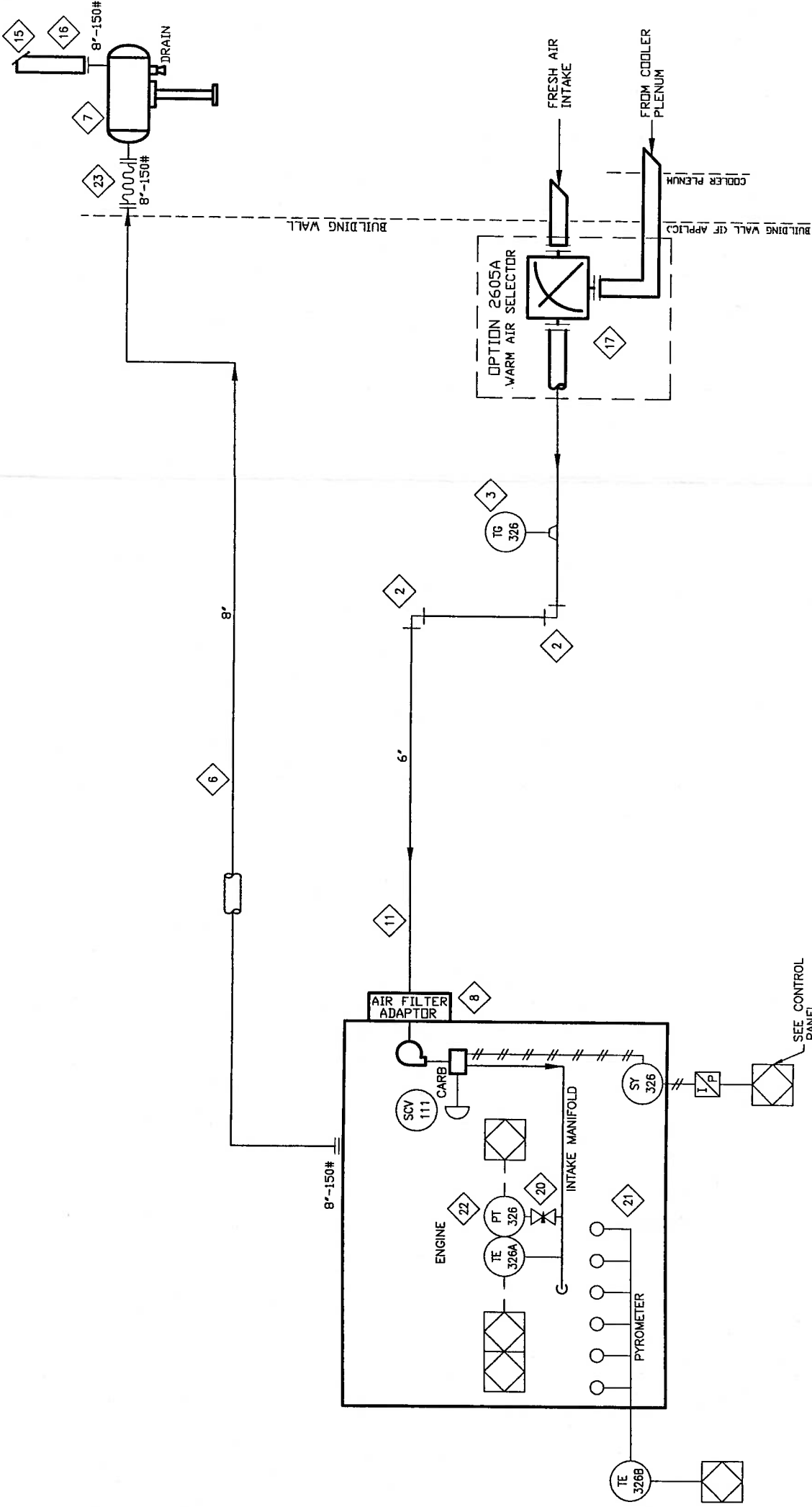
CONSULTANT: COLT ENGINEERING
P.O.:
DESIGN BY: KJB DATE: 04/11/24
DATE: 04/11/24
SCALE: NTS
LSD: JOB No.: 040752
DWG. No.:
SF-040752-24
OP# 24

© 2004 Enerflex Systems Ltd.
REPRODUCTION OF ANY PORTION OF THESE MATERIALS WITHOUT THE EXPRESS WRITTEN PERMISSION OF ENERFLEX IS PROHIBITED.
THESE MATERIALS SHALL NOT BE USED FOR ANY PROJECTS WITHOUT THE REPAIR AND MAINTENANCE OF THE PRODUCTS TO WHICH THEY RELATE.

MATERIAL LIST

ITEM	QTY	PART #	DESCRIPTION
2	2	103612	ELBOW, EXHAUST, RUBBER, 90 DEG, 6" (DONALDSON, P10-5535)
3	1	113278	GAUGE, TEMP, 3" DIAL, 2-1/2" STEM, -20/120 DEGC METRIC, 1/2" NPT (TREND, 33025)
6	1	120765B	EXHAUST LINE, SS INSULATED, 8", B400 (F18GL)
7	1	119616	MUFFLER, SUPER HOSPITAL PLUS, 8" 150# END IN/SIDE OUT (SILEX, JE-8-EISD-AS-A)
8	1	109587	AIR FILTER ADAPTOR, 6" B400 FM-1213-A
11	10	104568	AIR INTAKE TUBING, MECHANICAL, 6" OD X 14 GAUGE (075 WALL), ERW
15	1	103618	EXHAUST, RAIN CAP, 8" OD
16	1	120766B	EXHAUST, STACK, 8" OD, B400
17	1	110271	WARM AIR SELECTOR 6", B400
20	1	102808	VALVE, NEEDLE, 1/4" TUBE, 316SS C/W SS FERRULES (WHITEY, SS-1V54)
21	1	104463	PYROMETER, F18GL, 25' LEAD COMPLETE C/W HARNESS, 6 PROBES, TMP100 REMOTE DISPLAY
22	1	107994	TRANSMITTER, PRESSURE, -30"HG/30 PSIG, SWEET, 1/4" NPT (WIKA, 89213.500)
23	1	104193	EXPANSION BELLOW, 8" 150# INTERNAL FLANGES C/W 2" COLLAR & SS LINER X 12" LONG

			BILL OF MATERIAL: M 11015-4 : ASSEMBLY, AIR/EXHAUST, F18GL
			DATE-TIME EXPDIED: 2002-03-26-10:38



AS-BUILT

DATE MAR 24 2005

REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
3	AS-BUILT	05/03/24	DH	BWS
2	UPDATED	05/01/19	GRT	KJB
1	ISSUE FOR CONSTRUCTION	04/12/21	DH	KJB
0	ISSUE FOR APPROVAL	04/11/24	DH/MGN	KJB

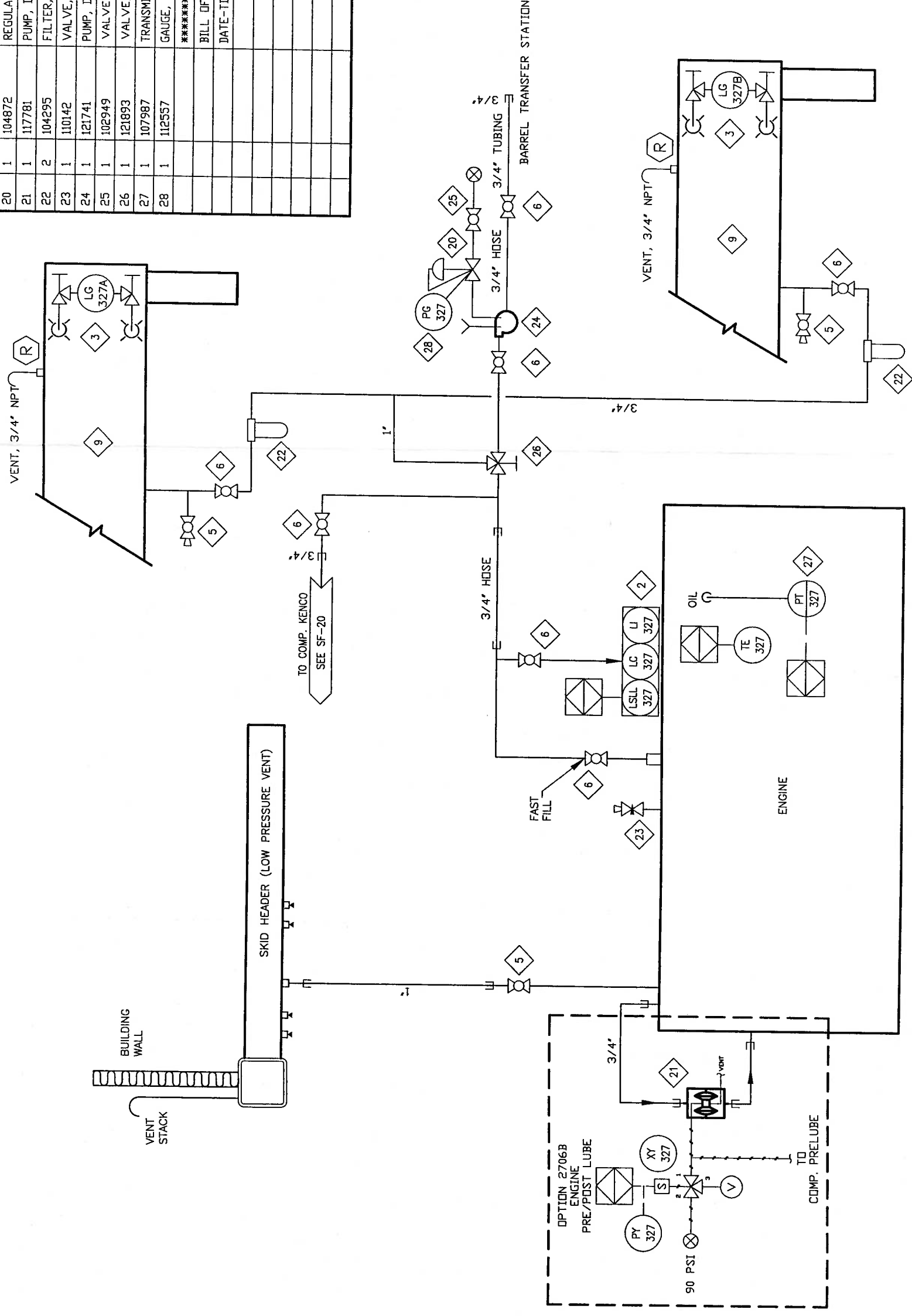
EFX Compression

4700 47 Street SE Calgary AB Canada T2B 3B1 Canada Tel: 403.236.6800 Fax: 403.279.0367
www.eferflex.com

TITLE:	WAUKESHA F18GL ENGINE AIR & EXHAUST SYSTEM
FOR:	PETRO CANADA OIL AND GAS PEPPERS 7-17
CONSULTANT:	COLT ENGINEERING
P.O.:	LSO: JOB No.: 040752
DRAWN BY:	DH
DATE:	04/11/24
CHKD BY:	KJB
DATE:	04/11/24
SCALE:	NTS
APPROV BY:	DATE: 04/11/24
DATE:	04/11/24
DWG. No.:	SF-040752-26
OP#:	26

© 2004 Enerflex Systems Ltd.
REPRODUCTION OF ANY PORTION OF THESE MATERIALS WITHOUT THE EXPRESS
WRITTEN CONSENT OF ENERFLEX LTD. IS STRICTLY PROHIBITED. THE
INFORMATION CONTAINED HEREIN IS SOLELY FOR THE USE OF THE
CUSTOMER AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.
ENERFLEX LTD. ACCEPTS NO LIABILITY FOR THE PRODUCTS TO WHICH THEY RELATE.

BILL OF MATERIAL

[illegible]

AS-BUILT

МАР 27 2005

DATE _____

3	AS-BUILT	05/03/24	DH	BWS
2	UPDATED	05/01/19	GRT	KJB
1	ISSUE FOR CONSTRUCTION	04/12/21	DH	KJB
0	ISSUE FOR APPROVAL	04/11/25	DH/MGN	KJB
REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY

BPX Compression

4700 47 Street SE Calgary AB Canada T2B 3R1 Canada Tel. +1403.236.6800 Fax +1403.279.0367
www.enrflex.com

TITLE:

SERVICE FLOW
WAUKESHA F18GL ENGINE LUBE OIL SYSTEM

FOR: PETRO CANADA OIL AND GAS
OFFERS 7.47

CONSULTANT: COLT ENGINEERING
P.O.:

© 2004 Enerflex Systems Ltd.
REPRODUCTION OF ANY PORTION OF THESE MATERIALS WITHOUT THE EXPRESS WRITTEN CONSENT OF ENERFLEX SYSTEMS LTD. IS STRICTLY PROHIBITED. THESE MATERIALS SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THE REPAIR AND MAINTENANCE OF THE PRODUCTS TO WHICH THEY RELATE.

DWG. No. 040753-27

DATE:	04/11/24	CHKD BY:	KJB	DATE:	04/11/25	SF-040752-27
SCALE:	NTS	APPROV BY:	<i>[Signature]</i>	DATE:	04/24/05	

ITEM	QTY	EFX CODE	DESCRIPTION
------	-----	----------	-------------

[illegible]

NOTE:
ALL DOORS c/w ALUMINUM THRESHOLD,
VINYL WEATHER STRIPPING, HEAVY DUTY
HINGES, HEAVY DUTY FRAME, CYLINDER LOCK,
HEAVY DUTY WEEPS & PAINT. ALL DOUBLE
DOORS c/w HEAD & FOOT BOLTS ON
INACTIVE LEAF.

SHOP NOTE:
-ESD BUTTONS TO BE SHIPPED
LOOSE, TO BE FIELD MOUNTED
BOTTOM OF STAIRS.

AS-BUILT

DATE MAR 24 2005

REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
3	AS-BUILT	05/03/24	DH	RWS
2	UPDATED	05/01/18	GRT	KJB
1	ISSUE FOR CONSTRUCTION	04/12/21	DH	KJB
0	ISSUE FOR APPROVAL	04/12/08	MGN	KJB

EXPX Compression

4700 47 Street SE Calgary AB Canada T2B 3R1 Canada Tel. +1.403.238.8800 Fax +1.403.279.0367
www.enterflex.com

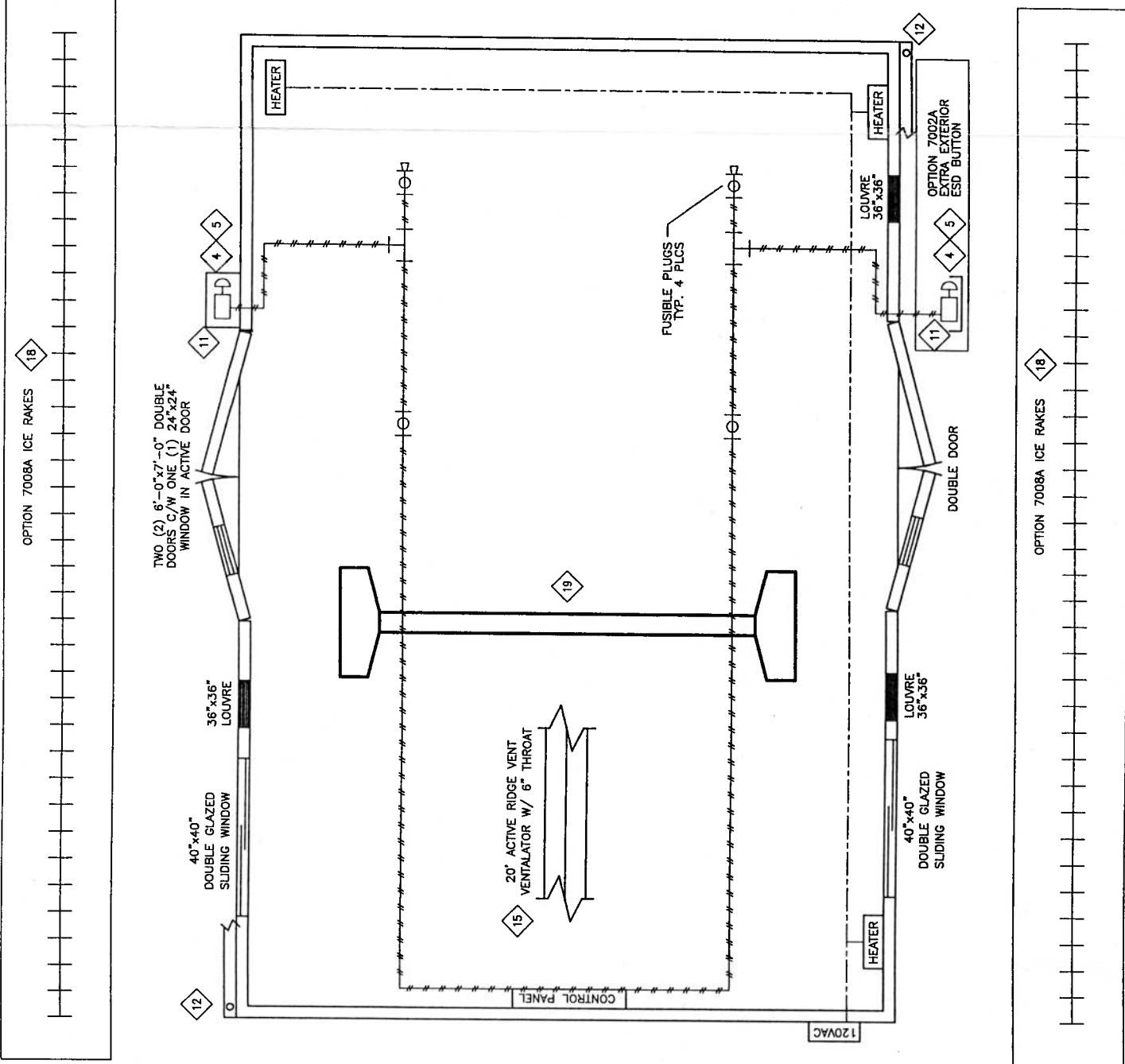
TITLE:

SERVICE FLOW
B400X BUILDING EQUIPMENT

FOR: PETRO CANADA OIL AND GAS
PEPPERS 7-17

CONSULTANT: COLT ENGINEERING
P.O.:

REPRODUCTION OF ANY PORTION OF THESE MATERIALS WITHOUT THE EXPRESS WRITTEN CONSENT OF ENERPLEX SYSTEMS LTD. IS STRICTLY PROHIBITED. THESE MATERIALS SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THE REPAIR AND MAINTENANCE OF THE PRODUCTS TO WHICH THEY RELATE.



COLOR SCHEDULE	
WALL INTERIOR LINER:	22 GA PERFORATED WHITE INTERIOR
WALL EXTERIOR LINER:	22 GA GALVALUME
ROOF INTERIOR LINER:	PERFORATED FLUTED WHITE
ROOF EXTERIOR LINER:	GALVALUME
TANK:	-
COOLERS:	EM SILVER GREY
EQUIPMENT:	EM SILVER GREY
SKID PERIMETER:	EM SILVER GREY
GRATING:	BLACK
PIPING & VESSELS:	EM SILVER GREY
DIMENSIONS	
WIDTH:	18'-0"
LENGTH:	21'-0"
EAVE HEIGHT:	11'-0"

BUILDING OPTIONS	
OPT #	DESCRIPTION
7002A	EXTRA EXTERIOR ESD BUTTON AT BUILDING DOOR
7003A	BUILDING CUSTOMIZATION - CE RAISES, EAVES 1/2" 20' ROOF VENT
7004A	PERFORATED WHITE LINEN C/M 1/2" 4'-530 INSULATION IN WALLS AND
7005A	ROOF, 1/2" 4' MIL VAPOUR BARRIER
777C	GALVALUM BUILDING IN LIEU OF STANDARD
777D	WARNING LABEL 125% MAYBE PRESENT IN WASTE ON TANK

BUILDING EQUIPMENT AND DETAILS

BILL OF MATERIAL

ITEM	QTY	EFX CODE	DESCRIPTION
2	3	103498	HEATER, 12 MBTU, 120 VOLT C/W VALVE-H17CB-5
			[CATADYNE, WX1824-0002]
3	3	109154C	SUPPORT, HEATER FLAT
4	3	103492	HEATER, VENT TUBING, 3" X 30' LONG [CATADYNE, VHD-3X-30]
5	3	103491	HEATER, VENT HOOD ELBOW, 3" 90 DEG. [CATADYNE, VHD-3X-ELBOW]
6	3	103517	HEATER, THERMOSTAT [CATADYNE, AC-TC]
7	3	103515	HEATER, REGULATOR, 250 PSIG, 11" WC, 1/4" X 3/8" NPT
			[CATADYNE, AC-R-912]
8	3	103512	HEATER, PROTECTION GRILL, 18" X 24" [CATADYNE, AC-GRILL-1824]
9	3	INCL.	>>VALVE, BALL, 3/8" NPT, BY CATADYNE
11	3	103518	HEATER, VENT HOOD ASSEMBLY C/W THE FOLLOWING: [CATADYNE, AC-VHASSY-24]

			BILL OF MATERIAL: Q CP030359 : HEATER ASSY, B325/B400/B401/B530/B570

			DATE-TIME EXPORTED: 2003-03-25-15:20

E12
BUILDING HEATER

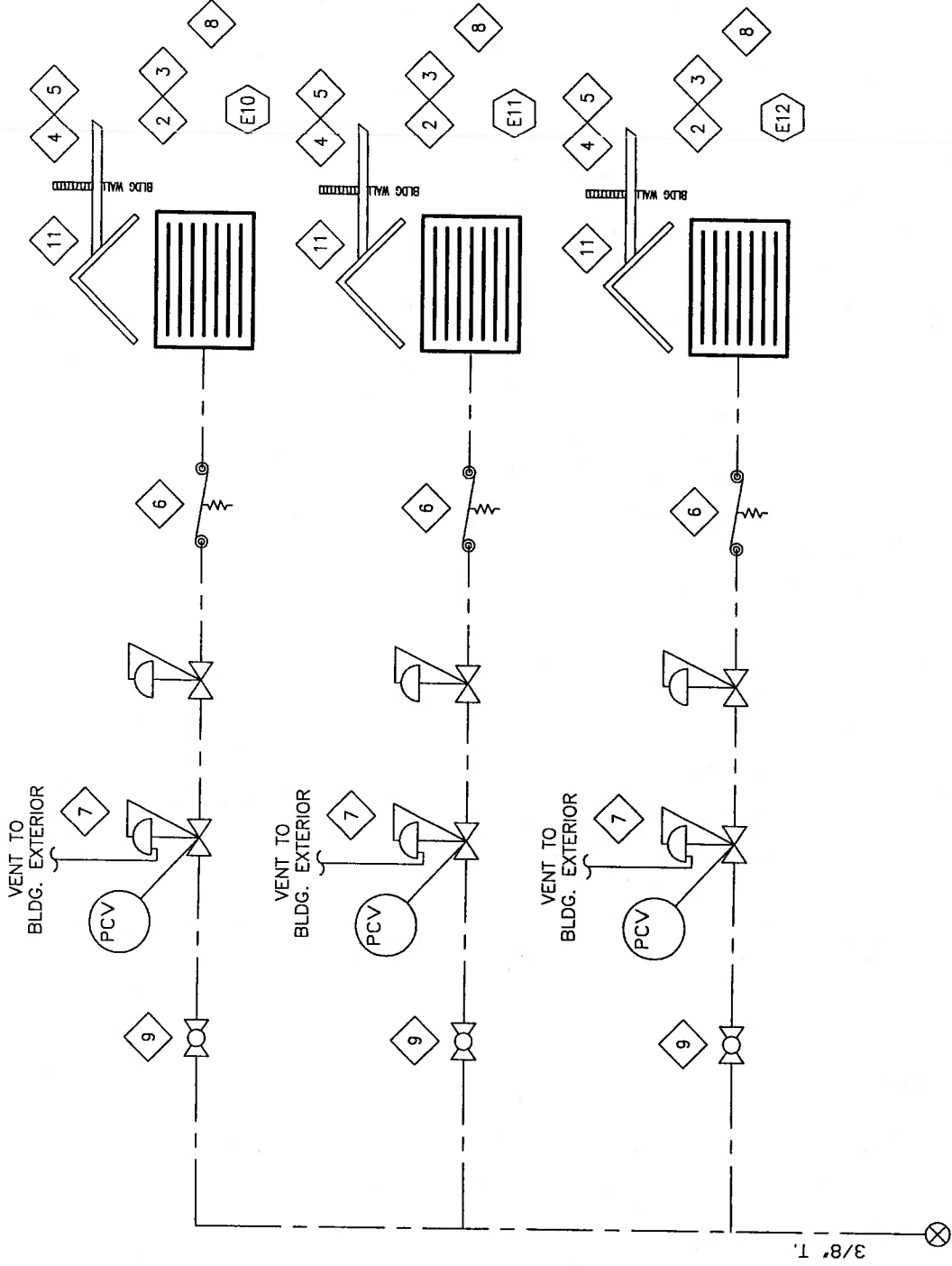
WX 18x24
18000 BTU/hr

E11
BUILDING HEATER

WX 18x24
18000 BTU/hr

E10
BUILDING HEATER

WX 18x24
18000 BTU/hr



GAS SUPPLY
150 PSIG MAX.
FROM FUEL GAS
SEE DWG 'SF-22'

AS-BUILT

DATE MAR 24 2005

BUILDING EQUIPMENT AND CONTROLS

EFX Compression

4700 47 Street SE Calgary AB Canada T2B 3R1 Canada Tel: +14032666800 Fax: +14032790267
www.effx.com

TITLE:

SERVICE FLOW
BUILDING HEATERS (CATADYNE)
ARIELGJ/2, WAUKESHA F18GL, AXG 96AEH

FOR: PETRO CANADA OIL AND GAS
PEPPERS 7-17

CONSULTANT: COLT ENGINEERING

P.O.:

LSB: JOB No.: 040752

DESIGN BY: KJB DATE: 04/11/28

CHD: KJB DWG. No.

APPROVED BY: KJB DATE: 04/11/28

SCALE: NTS SF-040752-72

OP# 72

© 2004 Enerflex Systems Ltd.
REPRODUCTION OF ANY PORTION OF THESE MATERIALS WITHOUT THE EXPRESS
WRITTEN CONSENT OF ENERFLEX SYSTEMS LTD. IS STRICTLY PROHIBITED.
THIS DOCUMENT IS THE PROPERTY OF ENERFLEX SYSTEMS LTD. AND IS TO BE
RETURNED AND MAINTAINED BY THE USER TO WHICH IT RELATES.



- (6) BUGSCREEN FRAME / FAN GUARD
PANELS SUPPLIED BY AXC AND
INSTALLED BY OTHERS
- | | | | | | |
|-----|--|-----|--|-----|---|
| (A) | <u>AUTO SHUTTER OPERATOR ~ E/JW</u> | (D) | <u>MANUAL SHUTTER OPERATOR ~ AC</u> | (X) | <u>(1) FISHER 656-30 AIR MOTOR</u> |
| (B) | <u>MANUAL SHUTTER OPERATOR ~ TAW/ELW/CW</u>
<u>W/ GROUND LEVEL OPERATOR</u> | (E) | <u>AUTO AUX SHUTTER OPERATOR IC/AC</u> | (Y) | <u>AUTO TOP SHUTTER BY "X"</u>
<u>W/ INTEGRAL HAIL GUARD</u> |
| (C) | <u>MANUAL SHUTTER OPERATOR ~ IC/AC</u> | (F) | <u>AUTO AUX SHUTTER OPERATOR AC</u>
<u>AUTO BY (3) FISHER 656-30 AIR MOTORS</u> | (Z) | <u>AUTO ROLL SHUTTER BY "X"</u> |

COMBINED		(12 GALS)		(ASME STAMP)	
①	EJW	14	P.S.I. @ 300/-20 °F	D.P. 1650	P.S.I. @ 350/-40 °F
	NOZZLES	3PS		NOZZLES	3-900RF
②	TAW/ELW/CW	(13 GALS)		AC	(ASME STAMP)
	D.P. 14	P.S.I. @ 300/-20 °F		D.P. 1650	P.S.I. @ 350/-40 °F
	NOZZLES	2PS		NOZZLES	3-900RF
③	IC/AC	(ASME STAMP)		D.P. 1650	P.S.I. @ 350/-40 °F
	NOZZLES	3-900RF		NOZZLES	3-900RF
④	AC	(ASME STAMP)		D.P. 1650	P.S.I. @ 350/-40 °F
	NOZZLES	3-900RF		NOZZLES	3-900RF

REV.	DESCRIPTION	BY	DATE	APP'D	DATE	JOB STATUS:	CUSTOMER: ENERFLEX
1	REVISED THE SHAFT EXTENSION FROM 12" OT 18" & DELETE THE IDLER ENCLOSURE	GGH	11/12/04	BK	11/12/04	RELEASED FABRICATION OF THIS ORDER HAS BEGUN	TAG: 040752
2	REVISED THE SHUTTER OPERATORS & ADDED THE RECIRULATOR	GGH	12/7/04	BK	12/7/04		P.O. NO.: 0490428
							AIRC JOB NO.: 045208
							DRAWN BY: AICS-v DATE: 11/04/04
							CHECKED BY: BK DATE: 11/9/04 REV
							DRAWING NO.: CRT SCALE: 1:1 2

~~VENDOR'S DRAWING REVIEW~~

1. ☒ Approved Manufacturing may proceed submit final completed drawing.

2. ☐ Correct for "assumpt" Manufacturing may proceed.

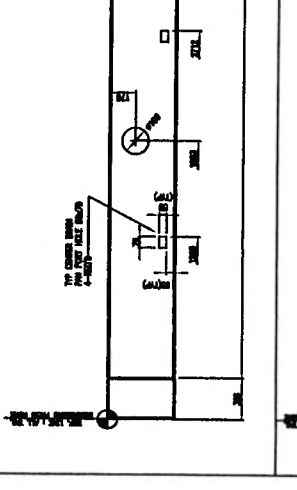
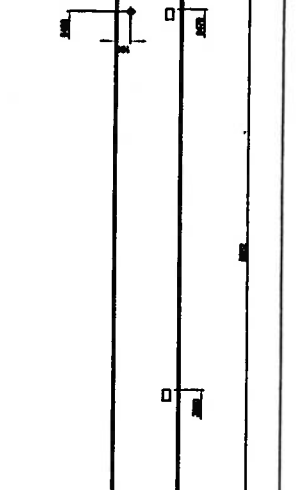
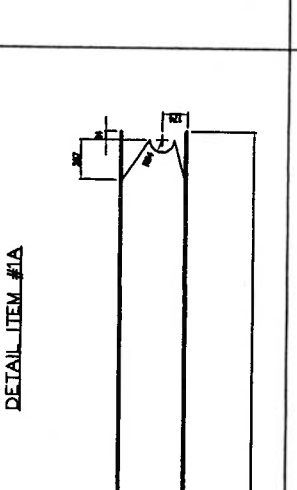
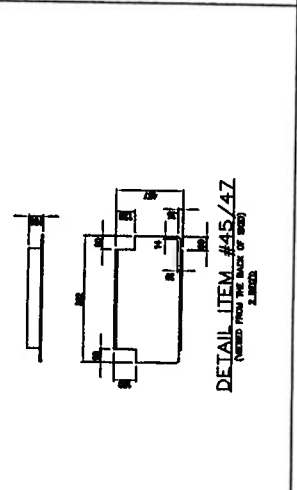
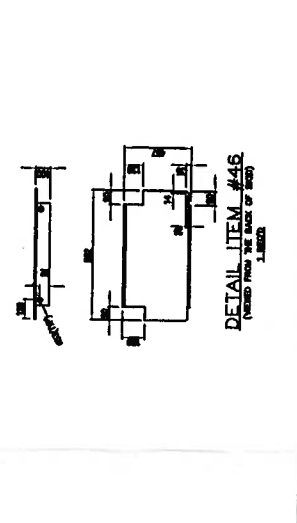
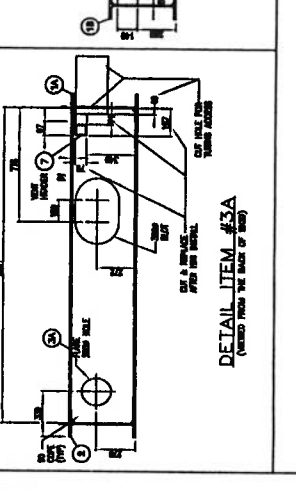
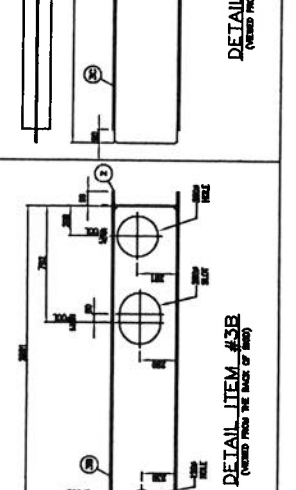
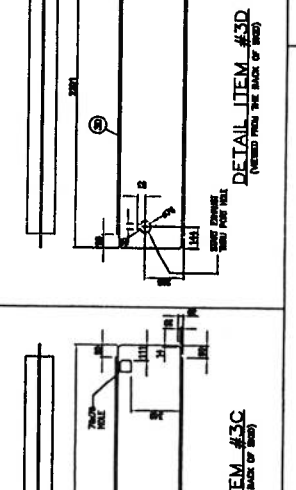
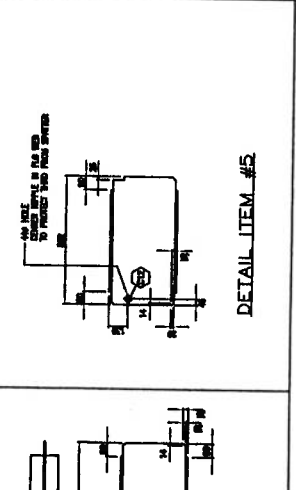
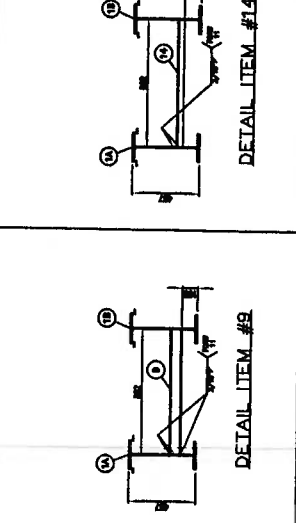
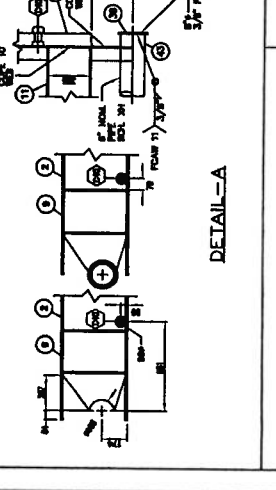
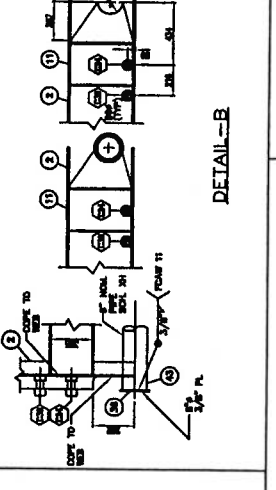
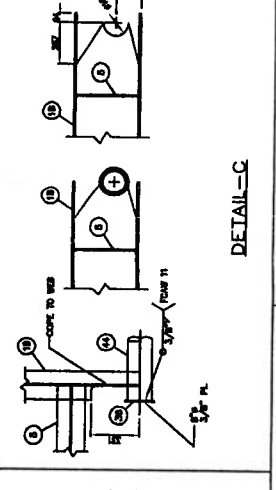
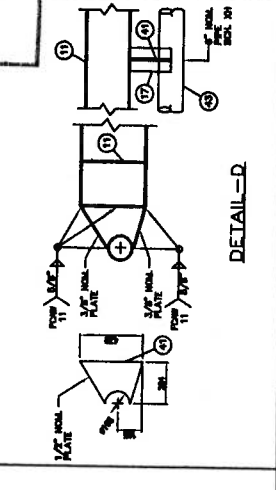
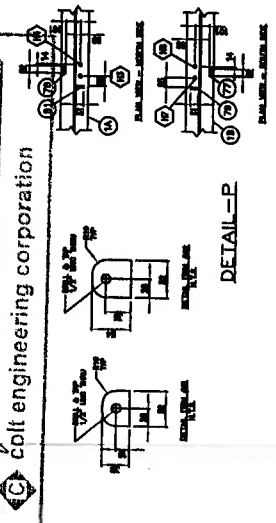
3. ☐ Subject to review, making the changes.

4. ☐ Correct for "assumpt" Manufacturing shall not proceed.

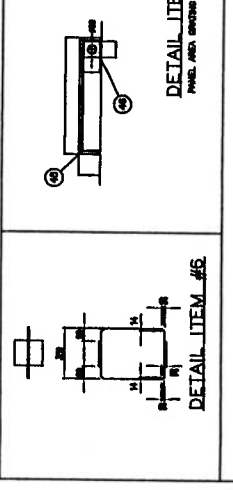
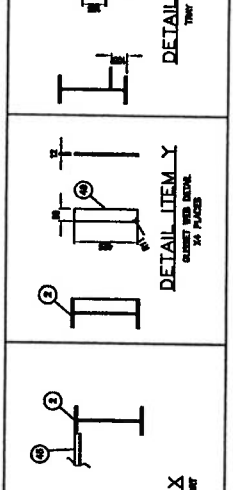
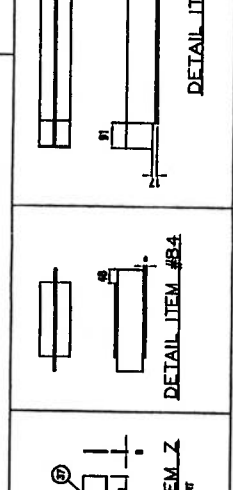
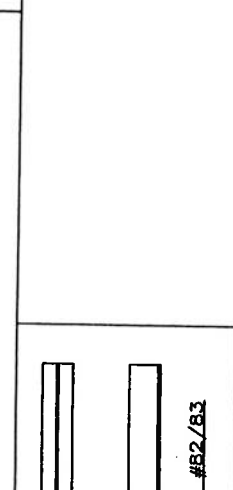
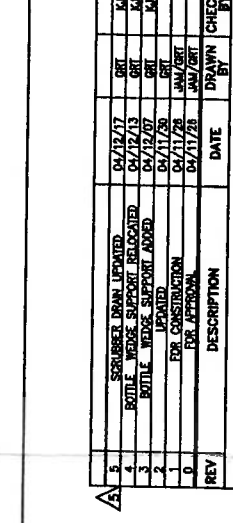
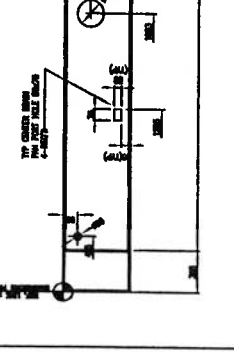
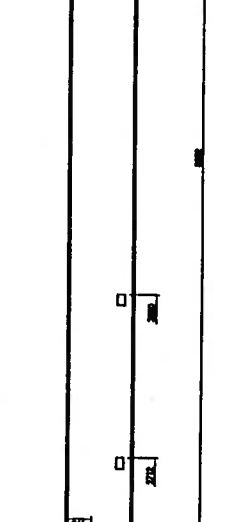
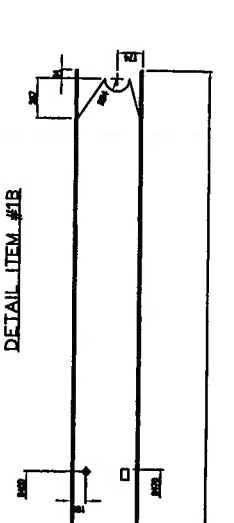
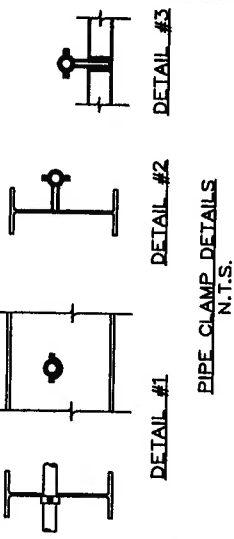
5. ☒ Review not required. For Informative Only.

Permission is ~~not~~ granted does not constitute acceptance of approval of user, analysis calculations and types, test methods, or material developed or selected by the buyer and does not relieve the Supplier from full compliance with the contract or the purchase order requirements.

By: [Signature] Date: 1/1/2011 f Mard S



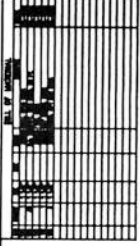
RECEIVED
T-2963
MAR 01 2005
COLT ENGINEERING
CORP.



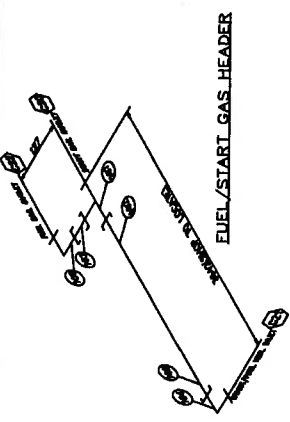
PO	JOB NO.	PURCHASE ORDER NO.	
	04-C-4673	4673	001
V.P.	EQUIP. NO.	V.P. NO.	REV.
	B0-300	32	0

 Compressor OFF OF Street 40 Toronto, Ont. M5S 1A6 Canada Tel. (416) 461-0000 Telex 0000000000 Energizer	19" BEAM ONE PIECE SKID (COOLER ON SKID) ARIEL JOL/2, WAIKESHA F180L, 98AEN COMPRESSOR F180L	19" JOE No. 1 040732
	TITLE	FOR:
CONSULTANT: DEXEL	PEITRO-CANADA OIL AND GAS (PEPPERS 7-17)	19" JOE No. 1 040732
DATE:	DATE:	DATE:
DATE:	DATE:	DATE:
DATE:	DATE:	DATE:

PIPING & TUBING DETAILS



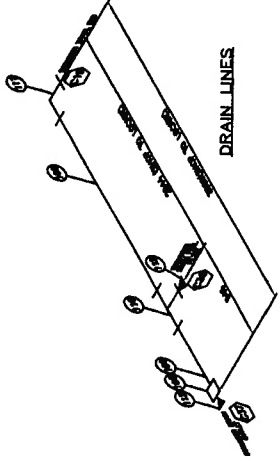
APPROPRIATE CODES AND RPT.3
MODERN
RPT. AETH A108 & 2
FROM AETH A00-1.



APPROVAL CODE: AHS 237.3
MATERIAL: AHS 237.3
PFC: AHS 237.3
FIB: AHS 237.3
TEST: AHS 237.3
CROSS PFC: AHS 237.3
HYDRO TEST: AHS 237.3

TEST: AHS 237.3

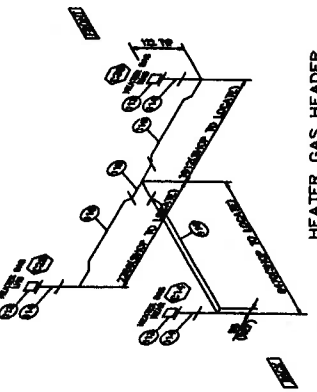
1. FUEL PUMP WAS MONITOR TO BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH ITS PERFORMANCE



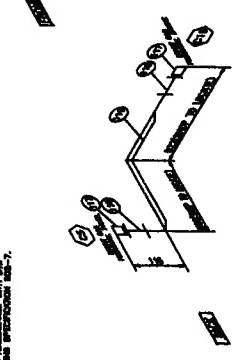
DRAIN LINES



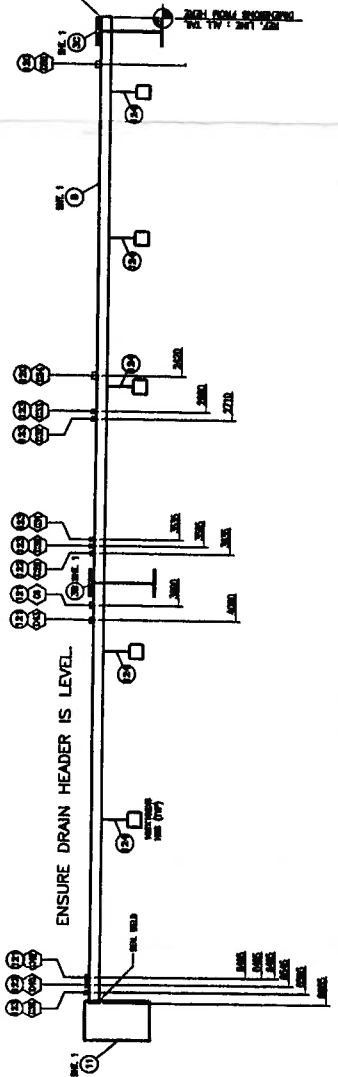
1. ALL BOMBED FITTINGS TO BE OVEN
CONSTRUCTED.
2. AIR TIGHT PRESSURE LINE WITH STOP
AND TEST.
3. ALL TIGHT FITTINGS TO BE OVEN PLACED
SMOKELOCK WITH IN FURNACE.
4. START PRESSURE LINE TO BE CONSTRUCTED
AND TESTED IN ACCORDANCE WITH EPA
PRESSURE TIGHT SPECIFICATION 826-7.



HEATER GAS HEADER

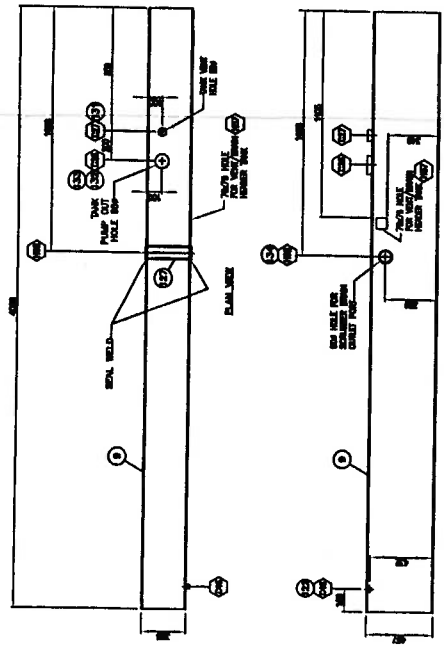


START PRESSURE LINE

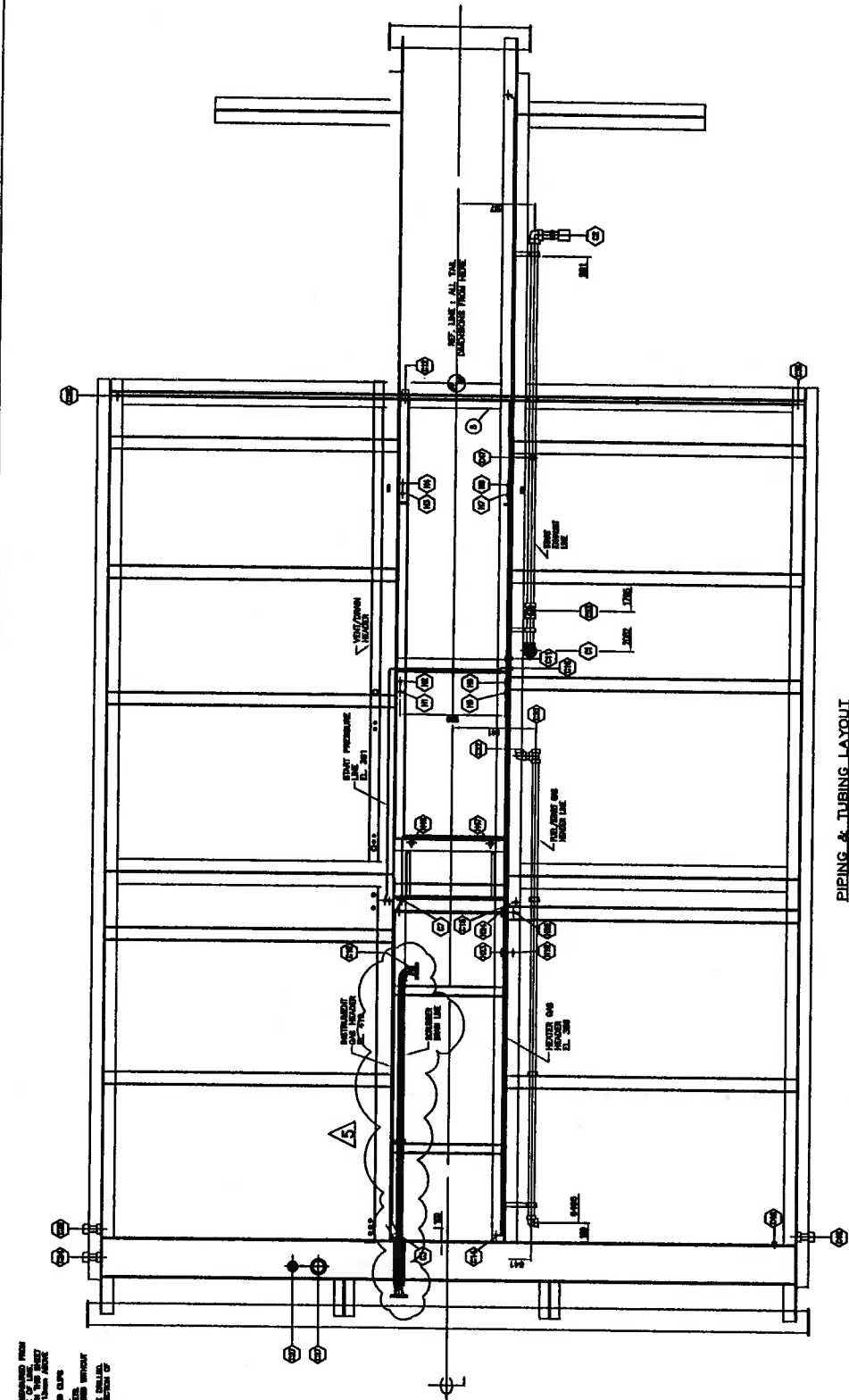


ENSURE DRAIN HEADER IS LEVEL

VENT/DRAIN HEADER (ITEM #7, SHEET 1)

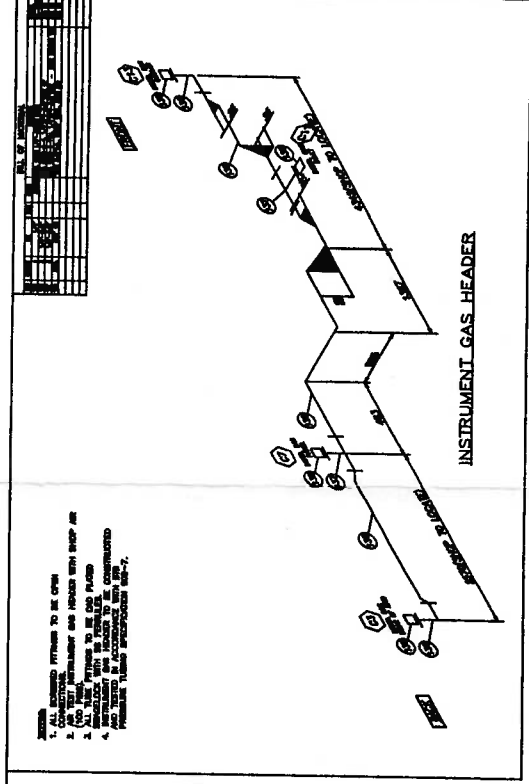


(VALUED FROM THE FRONT OF BOOK)
BENT PLATE DETAIL (ITEM #19) SHEET 1



1. ELASTOMERS AS LISTED ARE REMOVED FROM BOTTOM OF BED TO CHARGE OF LINE.
2. ALL CLAMPS INSTALLED ON THIS SHEET TO HAVE A PROTECTION OF THREE ABOVE TOP OF BED.
3. CLIP ALL TIES WITH TANGLED CLIPS (USE BRANCHES OF YODER).
4. FASTEN CLIPS WITH TAP NUTS.
5. RUN TANGS AGAINST BOWS WITH WITHOUT LIGED TANGS.
6. ALL ROLLS IN RANGE TO BE ENDED.
7. C & C TO HAVE A PROTECTION OF 2.

PIPING & TUBING LAYOUT

[illegible]

INSTRUMENT GAS HEADS

REF	DESCRIPTION	DATE	DOWN PMT	CHECKED
5	SCHUBER DEAN UPLOADED	04/12/13	08T	KAB
4	BOTTLE WEDGE SUPPORT ADDED	04/12/13	08T	KAB
3	BOTTLE WEDGE SUPPORT ADDED	04/12/07	08T	KAB
2	UPLOADED	04/11/20	08T	
1	FOR CONSTRUCTION	04/11/28	JAN/08T	
0	FOR ALTERATION	04/11/28	08T/08T	

ANS Compression

TITLE 18" BEAM ONE PIECE SKID (COOLER ON SKID)
ARIEL JGJ/2, WAUKESHA F180L 98A2H
COMPRESSOR PACKAGE

PETRO-CANADA OIL AND GAS
(PETERS 7-17)

© 2004 Enerflex Systems Ltd.

© 1994 BENTON & BOWLES LLP. ALL RIGHTS RESERVED. BENTON & BOWLES LLP IS A SERVICE MARK.

V.P.	BU-300		33		①
	EQUIP. NO.		V.P. NO.		
PO	04-(-4673		4673	KW	001
	JOB NO.		PURCHASE ORDER NO.		

VENDOR'S DRAWING REVIEW

1. ☐ Approved. Manufacturing may proceed submit final certified drawing.
2. ☐ Correct and resubmit. Manufacturing may proceed.
3. ☐ Subject to minor drawing changes.
4. ☐ Correct and Resubmit. Manufacturing shall not proceed.
4. ☒ Review not required. For Information Only.
- Permission to proceed does not constitute acceptance of approval of design details calculation, analyses, test method or material developed or selected by the Supplier and does not relieve the Supplier from full compliance with the contract or the purchase order requirements.

Date: 7/1/00

Colt engineering corporation

Date: 7/18/16
Colt engineering corporation

RECEIVED
T-2963
MAR 01 2005
COLT ENGINEERING
CORP.

COLT ENGINEERING
CORP.

By: *C. V. [Signature]* Holt engineering corporation
Date: 7-1-77

JOB NO.	PLACEMENT ORDER NO.
04-L-4673	4673 KN 001
EQUIP. NO.	VF. NO.
BU-300	35 0

REV	DESCRIPTION	DATE	DRAWN	CHECKED
5	SQUEALER DRAWN UPDATED	04/12/17	RET	KJB
4	BOTTLE WEDGE SUPPORT RELOCATED	04/12/17	RET	KJB
3	BOTTLE WEDGE SUPPORT ADDED	04/12/17	RET	KJB
2	UPDATED	04/11/18	RET	
1	FOR CONSTRUCTION	04/11/18	JAM/RET	
0	FOR APPROVAL	04/11/18	JAM/RET	

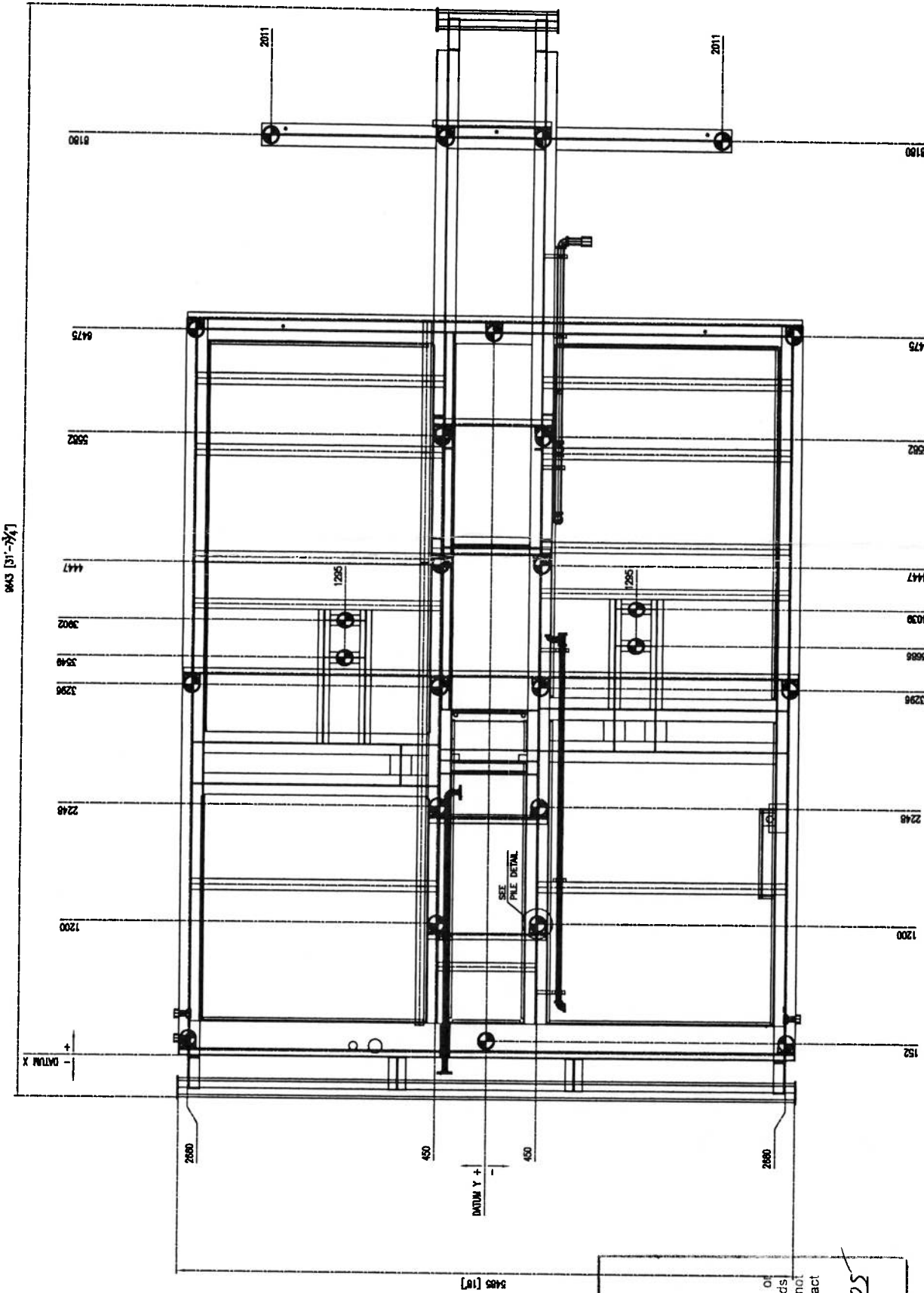
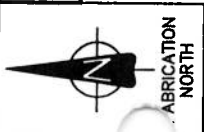
BPX Compression

RESEARCHER'S NAME: _____

CONSULTANT: DCEL
P.O.:
LSE: 040752
JFM Mo: 040752

© ENERPEX SYSTEMS LTD REPRODUCTION OF ANY PORTION OF THESE MATERIALS WITHOUT THE EXPRESS WRITTEN CONSENT OF ENERPEX SYSTEMS LTD IS STRICTLY PROHIBITED. THESE MATERIALS SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THE REPAIR AND MAINTENANCE OF THE PRODUCTS TO WHICH THEY RELATE.

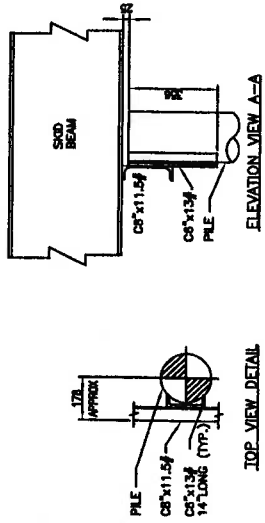
© 2004 Enerflex Systems Ltd.
REPRODUCTION OF ANY PORTION OF THESE MATERIALS WITHOUT THE EXPRESS
WRITTEN CONSENT OF ENERFLEX SYSTEMS LTD. IS STRICTLY PROHIBITED.
THESE MATERIALS SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THE
REPAIR AND MAINTENANCE OF THE PRODUCTS TO WHICH THEY RELATE.



VENDOR'S DRAWING REVIEW

- ☒ Approved. Manufacturing may proceed submit final certified drawing.
 - ☐ Correct and resubmit. Manufacturing may proceed.
 - ☐ Subject to manufacturing changes.
 - ☐ Correct and Resubmit. Manufacturing shall not proceed.
 - ☐ Review not required. For Information Only.
- Permission to proceed does not constitute acceptance or approval of design details, calculations, materials, methods or material developed or selected by the manufacturer and does not relieve the Supplier from full compliance with the contract or the purchase order requirements.

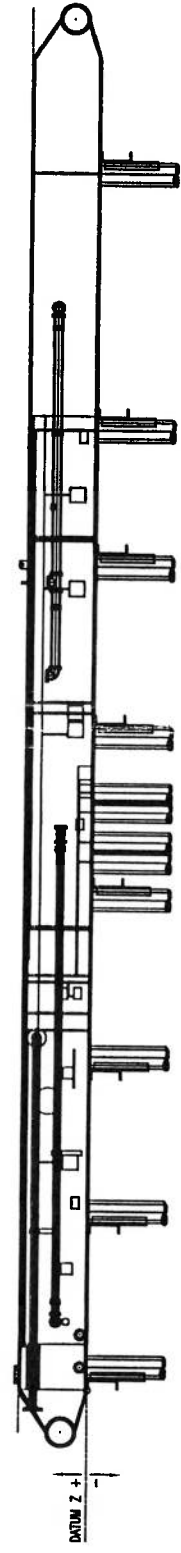
By: *[Signature]* Date: *8 March 05*
Colt engineering corporation



PILE DETAIL

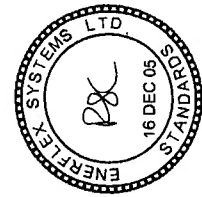
PO	JOB NO.	PURCHASE ORDER NO.
V.P.	04-C-4613	4673 KN 001
	EQUIP. NO.	V.P. NO.
	BU-300	36 0
		REV.

PLAN



ELEVATION

RECEIVED
T-2967
MAR 01 2005
COLT ENGINEERING
CORP.



NOTE:
REFER TO GA DRAWING FOR UNBALANCED
FORCES AND WEIGHTS.

RECOMMENDED SUPPORT LOCATIONS
NOTES: 1. UNIT WEIGHTS ARE APPROXIMATE AND MAY BE SUBJECT TO CHANGE UPON COMPLETION OF FABRICATION DRAWINGS. 2. PILE QUANTITY AND PLACEMENT ARE THE MINIMUM RECOMMENDED TO SECURE EQUIPMENT. THE END USER MUST ENSURE ADEQUATE LOAD BEARING CAPACITY OF THE PILES. 3. FOUNDATION DESIGN IN GENERAL, PILE DESIGN AND QUANTITY IN PARTICULAR, ARE THE RESPONSIBILITY OF THE CUSTOMER.

REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
0	FOR REFERENCE	05/02/28	GRT	

BPX Compression

18" BEAM ONE PIECE SKID (COOLER ON SKID)
ARIEL JGJ/2, WAUKESHA F18CL, 96AEH
COMPRESSOR PACKAGE

FOR:	CONSULTANT:	DESIGN BY:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:
	EXCEL	GRT	04/11/28	04/11/28	04/11/28	04/11/28	04/11/28	04/11/28	04/11/28
		SCALE:	1:25						
		LSD:	7-17-82-83 WSM						
		JOB NO.:	040752						
		DWG. No.:	PL-040752						
		OP#	30						