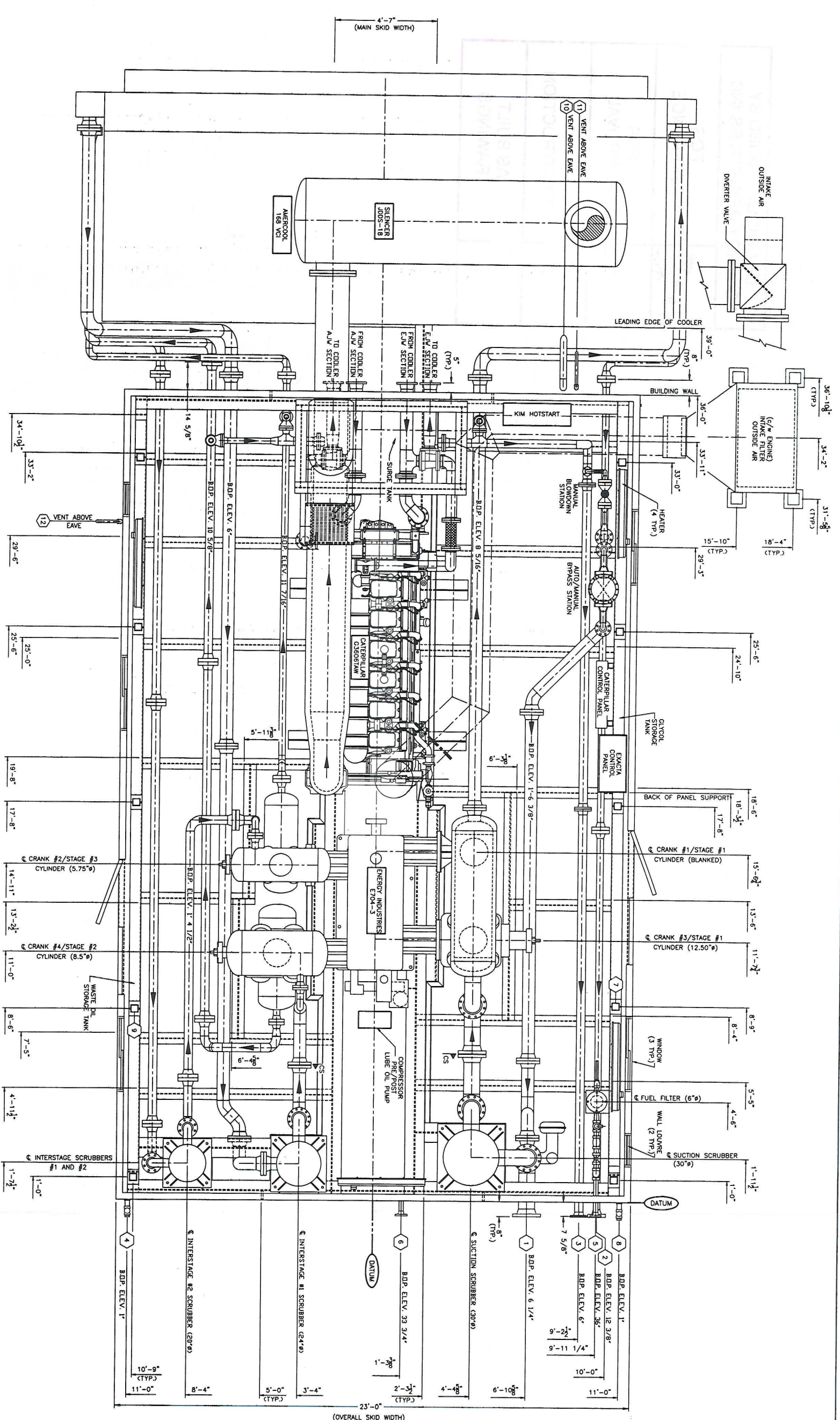




CUSTOMER CONNECTIONS

- | | | | |
|---|---------------------------------|----|-------------------------------------|
| 1 | INITIAL SUCTION | 10 | LOW PRESSURE STARTER VENT HEADER |
| 2 | FINAL DISCHARGE | 11 | LOW PRESSURE PUMP VENT |
| 3 | HIGH PRESSURE VENT HEADER | 12 | LOW PRESSURE INSTRUMENT VENT HEADER |
| 4 | WASTE OIL DRAIN | | |
| 5 | FUEL/START GAS INLET | | |
| 6 | SCRUBBER DRAIN HEADER | | |
| 7 | CYLINDER LUBE OIL FILL | | |
| 8 | GLYCOL TANK DRAIN | | |
| 9 | COMPRESSOR/ENGINE LUBE OIL FILL | | |
-
- | | | | |
|----|--------------|----|-------------------------|
| 10 | 8"-300# R/VN | 11 | 3"-PIPE (4" BIRDSCREEN) |
| 11 | 3"-300# R/VN | 12 | 1"-PIPE |
| 12 | 4"-150# R/VN | | |
| | 2"-300# QNP7 | | |
| | 2"-150# R/VN | | |
| | 1"-300# QNP7 | | |
| | 2"-300# QNP7 | | |
| | 1"-300# QNP7 | | |

NOTES:

1. BYPASS/BLOWDOWN LINE IS BUTTWELDED.
2. ALL INSTRUMENT TUBING IS TO BE 304#.
3. C/W SWAGelok CADMIUM PLATED FITTINGS w/ SS FERRULES.
4. ALL BOTTOM OF PIPE ELEVATIONS ARE TAKEN FROM BOTTOM.
5. OFF SKID, COLOR TO BE W/SPR 20-F-34 "WARM GRAY".
6. BUILDING PEAK OVERALL HEIGHT IS 20'-10 3/4".
7. -
8. ALL SKID EDGE CONNECTIONS ARE ± 1/8".

PLAN

ESTIMATED PACKAGE WEIGHTS

MAIN SKID:	167,000
COOLER & STAND:	2,100
SILENCER & STAND:	1,500
OVERALL PACKAGE:	209,600

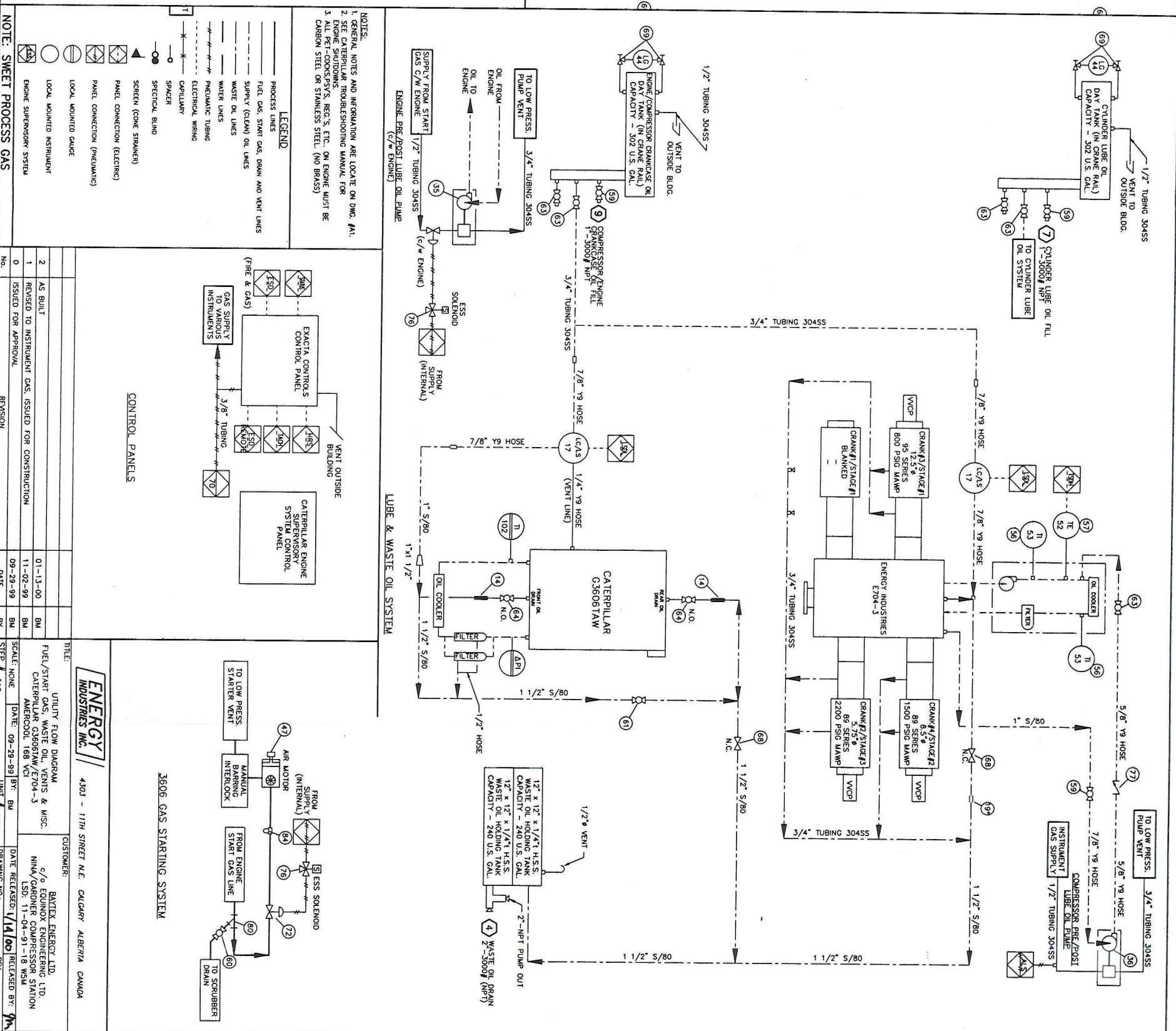
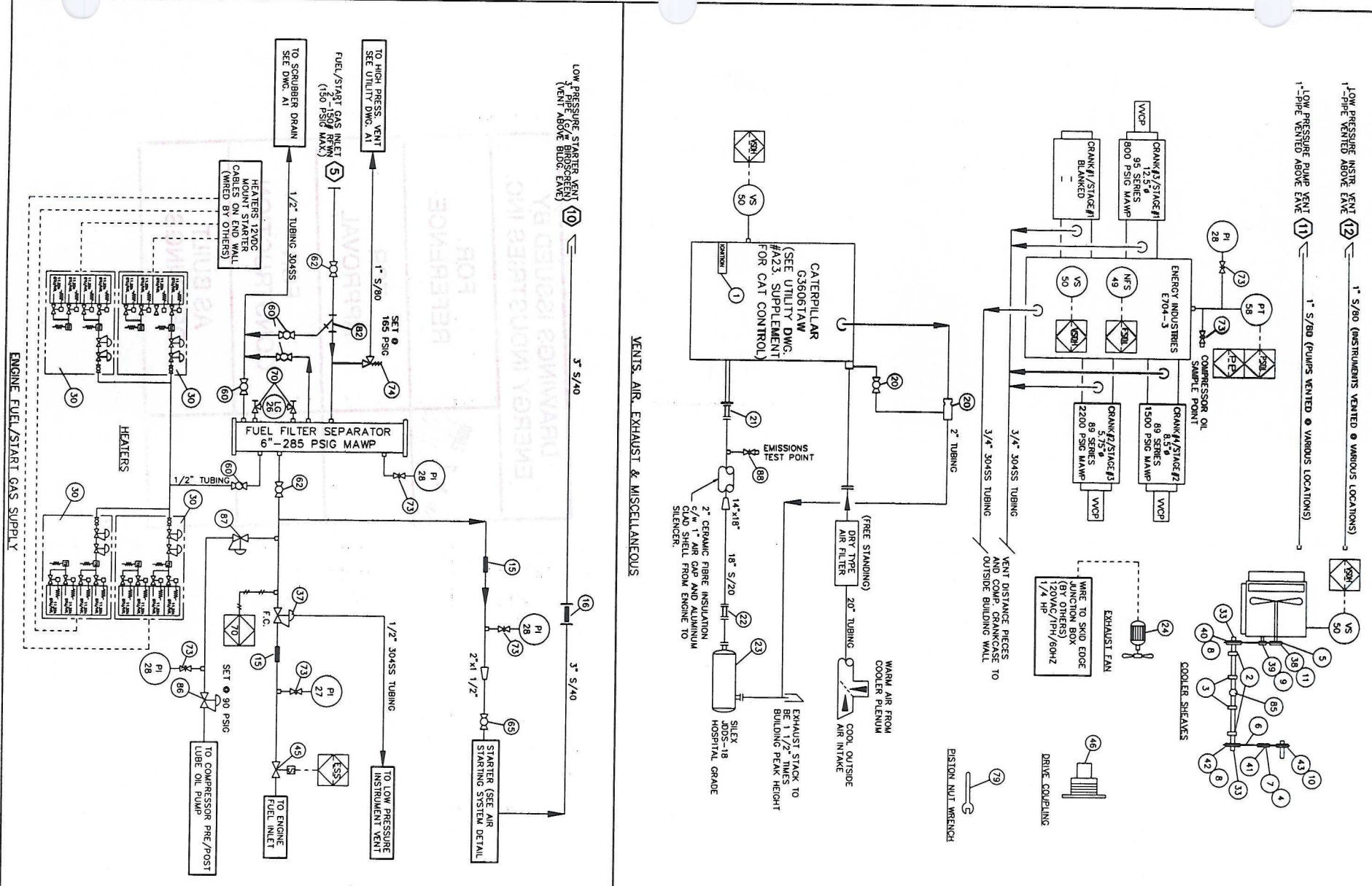
CYLINDERS	WCP CLOSED	WCP FULLY OPEN	BELOW DISTANCE PISTON & ROD
CYLINDER w/ WCP (12.5'9")	7'-4 7/16"	8'-9 7/16"	8'-11 1/2"
CYLINDER w/ WCP (8.5'9")	7'-4 7/16"	8'-9 7/16"	8'-8 1/4"
CYLINDER w/ WCP (5.75'9")	7'-2"	8'-7"	8'-3 11/16"



4303 - 11TH STREET N.E. CALGARY ALBERTA CANADA

2	AS BUILT	01-13-00	BM
1	ISSUED FOR CONSTRUCTION	10-27-99	BM
0	ISSUED FOR APPROVAL	10-04-99	BM
No.	REVISION	DATE	BY

TITLE:	GENERAL ARRANGEMENT	CUSTOMER:	BATEX ENERGY LTD.
	CATERPILLAR C350B/4704-3		c/o: EDWARDS ENERGY LTD.
	AMERCOOL 168 VCI		NINA CORNER COMPRESSION STATION
SCALE:	1/2"=1'-0"	DATE:	10-04-99
STEP:	1	BY:	BM
		DATE RELEASED:	10/20/99
		REV:	2
		DRAWING NO.:	807-B

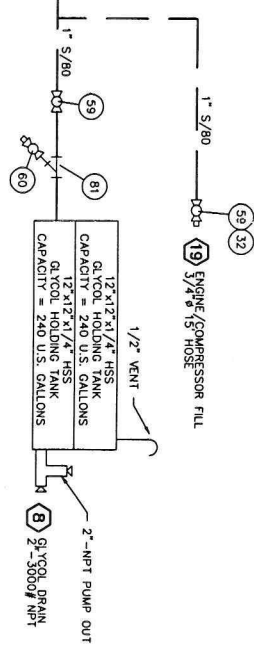
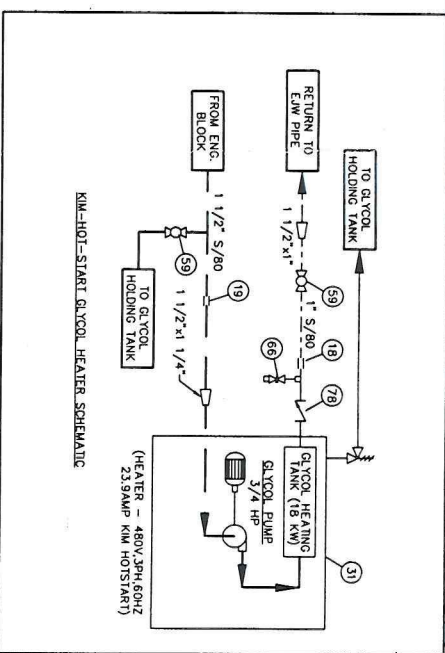


NOTES:
1. GENERAL NOTES AND INFORMATION ARE LOCATED ON DWG. #A1.
2. SEE CATERPILLAR TROUBLESHOOTING MANUAL FOR
3. ENGINE SHUTDOWNS, RECS, ETC. ON ENGINE MUST BE
CARBON STEEL OR STAINLESS STEEL. (NO BRASS)

LEGEND
PROCESS LINES
FUEL GAS, START GAS, DRAIN AND VENT LINES
SUPPLY (CLEAN) OIL LINES
WASTE OIL LINES
WATER LINES
PNEUMATIC TUBING
ELECTRICAL WIRING
CAPILLARY
SPEAKER
SCREEN (CONE STRAINER)
PANEL CONNECTION (ELECTRIC)
PANEL CONNECTION (PNEUMATIC)
LOCAL MOUNTED GAUGE
LOCAL MOUNTED INSTRUMENT
ENGINE SUPERVISORY SYSTEM

REVISION			
No.	DATE	BY	STEP
2	01-13-00	BM	AS BUILT
1	11-02-99	BM	REVISED TO INSTRUMENT GAS, ISSUED FOR CONSTRUCTION
0	09-29-99	BM	ISSUED FOR APPROVAL

TITLE:		CUSTOMER:	
UTILITY FLOW DIAGRAM		BATTEK ENERGY LTD.	
FUEL/START GAS, WASTE OIL, INSTRUMENTS & MISC.		c/o EQUINOX ENGINEERING LTD.	
CATERPILLAR G3606TAW/E704-3		NINJA (SD) - 01-13-00	
AMERCOOL 168 VCI		DATE RELEASED: 1/14/00	
		UNIT # 807	
		DRAWING NO.: 807-A21 REV. 2	



NOTES:

1. GENERAL NOTES AND INFORMATION ARE LOCATED ON DWG. # A1.
2. SEE CATERPILLAR TROUBLESHOOTING MANUAL FOR ENGINE SHUTDOWNS.

LEGEND

SS LINES
GAS, START GAS, DRAIN AND VENT LINES
(CLEAN) OIL LINES

LINEAS

100

...

(CONE STRAIN)

CONNECTION (C)

.....

CLIPPER COPY

PROCE

R:

A/CARDNER

RELEASED: 0

NOTE: SWEET PROCESS GAS

ENERGY INDUSTRIES INC.

4303 - 11TH STREET N.E. CALGARY ALBERTA CANADA

TITLE: CUSTOMER:

UTILITY FLOW DIAGRAM
ENGINE/AUXILIARY WATER

AMERC00L 168 VCI
LSD: 11-04-91-18 WSM

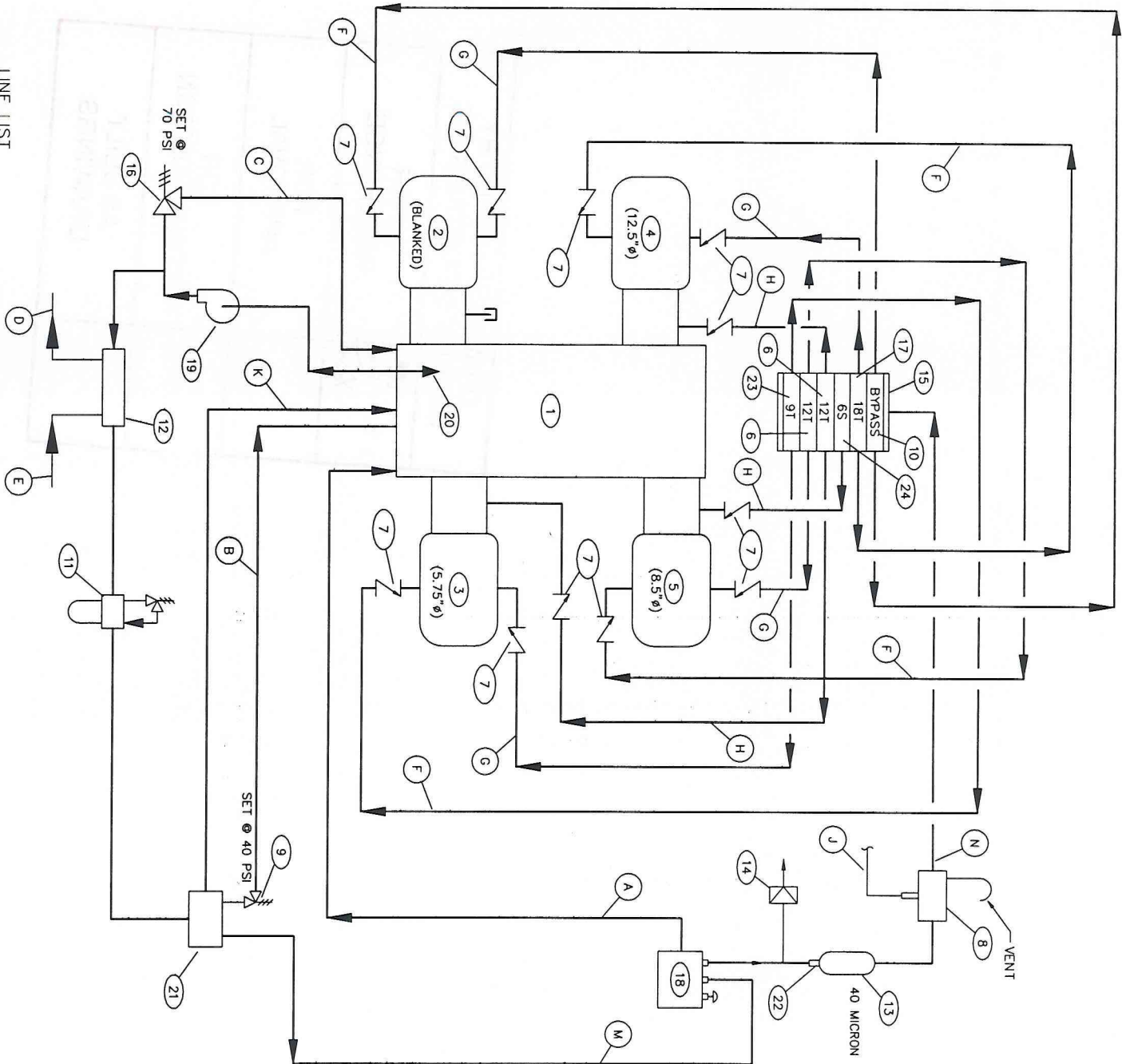
0	UNIT # 807	DRAWING NO.: 807-A22	REV. 2
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BILL OF MATERIALS

No.	PART No.	DESCRIPTION	QTY
1	-	COMPRESSOR E704-3	1
2	-	CYLINDER #1 BLANKED	1
3	-	CYLINDER #2 5.75"φ	1
4	-	CYLINDER #3 12.5"φ	1
5	-	CYLINDER #4 8.5"φ	1
6	12A983	DIVIDER VALVE 12T	2
7	880511	CHECK VALVE (BALL)	11
8	-	LUBE SENTRY VALVE (SEE FLOW DIA. BILL OF MATERIALS)	1
9	4W-PS-1284	RELIEF VALVE SET @ 40PSI (c/w COMPRESSOR)	1
10	NPN	DIVIDER VALVE BYPASS	1
11	9-PS-2203	FILTER C/W DIRT ALARM (c/w COMPRESSOR)	1
12	5-PS-7522	OIL COOLER ASSEMBLY (c/w COMPRESSOR)	1
13	11A066	INLINE SINTERED FILTER (40 MICRON)	1
14	11A068	RUPTURE DISC	1
15	12A980A	DIVIDER BLOCK MLC-6	1
16	NPN	INTERNAL OIL RELIEF VALVE (c/w COMPRESSOR)	1
17	13A440	DIVIDER VALVE 18T C/W INDICATOR	1
18	52-PS-5864	PREMIER LUBE PUMP (c/w COMPRESSOR)	1
19	2-100036	OIL PUMP ASSEMBLY (c/w COMPRESSOR)	1
20	5-PS-3904	INLET STRAINER (c/w COMPRESSOR)	1
21	3-026498	LUBE OIL MANIFOLD (c/w COMPRESSOR)	1
22	88A824	1/4" NPT HEX-NIPPLE	1
23	12A982	DIVIDER VALVE 9T	1
24	13A048	DIVIDER VALVE 6S	1
25	-	-	-

NOTE:

1. DESIGN CYCLE TIME IS 28.3 SECONDS.
2. DESIGN OIL FLOW RATE IS 12.1 US P.P.D.
3. ALL TUBING TO BE 304ss c/w CAD-PLATED SWAGelok FITTINGS w/ S.S. FERRULES.



LINE LIST

- A OVERFLOW LINE BACK TO CRANKCASE
B RELIEF DOWNSTREAM OF OIL FILTER
C RELIEF DOWNSTREAM OF OIL PUMP
D WATER TO JACKET WATER COOLER
E WATER FROM JACKET WATER COOLER
F LOWER PISTON LUBE
G UPPER PISTON LUBE
H ROD PACKING LUBE
I SIGNAL TO PANEL (ELECTRIC)
J MAIN BEARINGS, CRANK PIN BEARINGS, CROSSHEAD PIN, BEARINGS, CROSSHEAD SHOE LUBE
K OIL SUPPLY TO LUBRICATOR PUMP FROM MAIN OIL PUMP
L HIGH PRESSURE OIL LINE TO DIVIDER BLOCK



4303 - 11TH STREET N.E. CALGARY ALBERTA CANADA

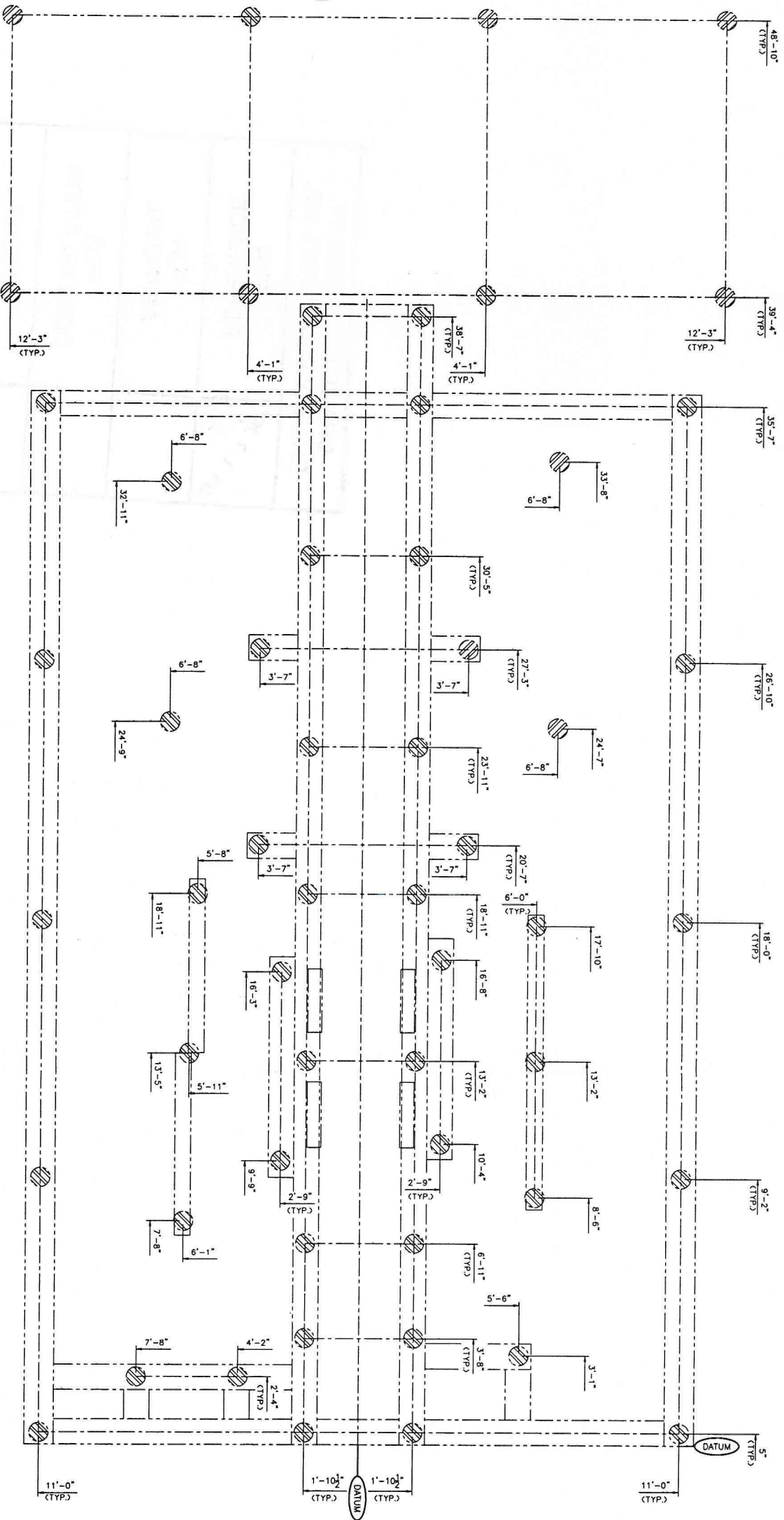
TITLE:

LUBE OIL FLOW DIAGRAM
E704-3 COMPRESSOR

CUSTOMER:

BAYTEX ENERGY LTD.
c/o EQUINOX ENGINEERING LTD.
NINA/GARDNER COMPRESSOR STATION
LSD: 11-04-91-18 WSM

SCALE: NONE	DATE: 02-08-00	BY: BM	DATE RELEASED: 2/8/00	RELEASED BY: [Signature]
STEP # 511	UNIT # 807/834	DRAWING NO.: 807-A3/834-A3	REV. 0	



○ - SUPPORT POINT (NOT NECESSARILY A PILE LOCATION)

PLEASE READ CAREFULLY

1. INSTALLATION OF THIS SKIDDED COMPRESSOR PACKAGE IS THE RESPONSIBILITY OF THE OWNER.
2. ALL PILE CAPS MUST BE SHIMMED AND WELDED TO THE SKID WITH CONTINUOUS WELDMENTS USING GOOD WELDING PRACTICES. STITCH WELDING IS NOT ACCEPTABLE. ENERGY INDUSTRIES INC. DOES NOT WARRANT VIBRATION ISSUES RELATING TO POOR PILE TO SKID CONNECTIONS, OR INSUFFICIENT PILE DESIGN.
3. PACKAGES INCORPORATING SEAL PANS (CRIP) IN THE WINGS WILL RESTRICT ACCESS TO SUPPORTS BELOW. IT MAY BE NECESSARY TO CUT THE SEAL PAN TO GAIN ACCESS TO THESE AREAS.
4. A RECIPROCATING COMPRESSOR IS CAPABLE OF PRODUCING VERY HIGH HORIZONTAL COUPLES ABOUT THE CENTERLINE OF THE CRANKCASE. CAREFUL CONSIDERATION MUST BE GIVEN TO THE LOCATION OF SUPPORT BELOW THE CYLINDER CROSSHEAD AREA OF THE SKID. A SINGLE POINT OF SUPPORT BELOW EACH THROW IS NOT SUFFICIENT.
5. THIS DRAWING INDICATES THE MINIMUM RECOMMENDED NUMBER OF SUPPORT POINTS. THE ACTUAL NUMBER AND LOCATION REQUIRED MAY BE MORE, DEPENDING ON SOIL CONDITIONS, DEPTH OF REFUSAL, ETC.. ENERGY INDUSTRIES INC. DOES NOT AND CANNOT WARRANT THIS SUGGESTED DESIGN AND IT IS STRONGLY RECOMMENDED THAT A CIVIL ENGINEER FAMILIAR WITH PACKAGED COMPRESSORS BE CONSULTED TO DESIGN THE FOUNDATION FOR THIS COMPRESSOR PACKAGE.

NO.	REVISION	DATE	BY
1	ADD AND REV. EXISTING PILES UNDER COOLER	01-13-00	BM
0	ISSUED FOR CONSTRUCTION	11-16-99	BM

ENERGY INDUSTRIES INC. 4303 - 11TH STREET NE. CALGARY ALBERTA CANADA

TITLE: SUGGESTED PILE LOCATION
 CUSTOMER: BAYTEX ENERGY LTD.
 C/O: EQUINOX ENGINEERING LTD.
 6666 HWY 16E-704-3
 NINJA/GARDNER COMPRESSOR STATION
 AMERCOOL 168 VCI
 LSD: 11-04-91-18 WSM
 DATE: 11-16-99 BY: BM
 DATE RELEASED: 01/13/00 RELEASED BY: jtm

SCALE: 1/2"=1' UNIT: # 807 DRAWING NO: 807-04 REV: 1