

V-100
COMPRESSOR SUCTION FILTER
 SIZE: 36" ID X 102" S/S
 MAWP: 245 PSIG @ 250 DEG.F
 MDMT: 245 PSIG @ -20 DEG.F
 CA: 0.0825"
 SHELL MATERIAL: SA-516-70
 HEAD MATERIAL: SA-516-70
 WEIGHT: 3050 LBS
 ELEMENTS: (7) GC51360E03V

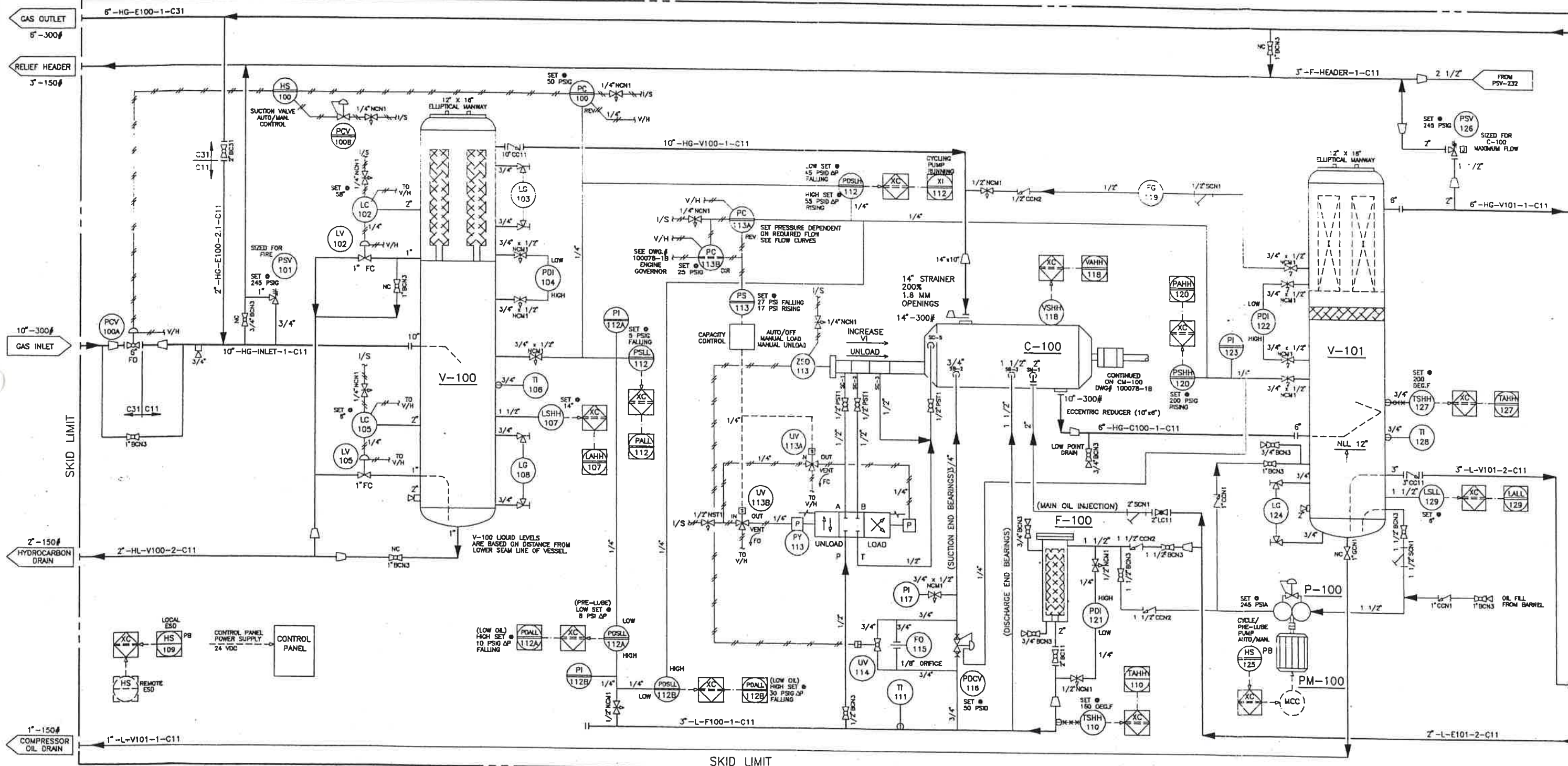
C-100
GAS COMPRESSOR
 FRICK: TD5H-355L
 OPERATING SPEED: 1800 RPM
 DESIGN SUCTION PRESSURE: 10 TO 35 PSIG @ 60 DEG.F
 MAX DESIGN DISCHARGE PRESSURE: 125 PSIG @ 178 DEG.F
 SUCTION PRESSURE: 100% FLOW @ 35 PSIG
 OIL TEMPERATURE: 140 DEG.F
 MAXIMUM OIL FLOW RATE: 58 GPM
 MAXIMUM POWER DRAW: 380 BHP
 WEIGHT: 8240 LBS
 • LIMITED BY RECIPROCATING COMPRESSOR

F-100
OIL FILTER
 TYPE: 10 MICRON 99.5 EFFICIENCY
 SIZE: 8 5/8" OD X 27 1/2" S/F
 MAWP: 245 PSIG @ 250 DEG.F
 MDMT: 245 PSIG @ -20 DEG.F
 CA: 0.0825"
 SHELL MATERIAL: SA-106B
 HEAD MATERIAL: SA-516-70
 ELEMENT: (1) MODEL 1833C
 WEIGHT: 290 LBS

P-100
COMPRESSOR PRE-LUBE PUMP
 MAKE: TUTHILL
 MODEL: 4108V-C
 MAXIMUM FLOW: 11 USGAL @ 1800 RPM
 MAX CASING PRESSURE: 300 PSIG
 NORMAL OUTPUT PRESSURE: 50 PSIG ABOVE INLET
 FLUID: COMPRESSOR LUBE OIL
 POWER DRAW: 3.5 HP @ 1800 RPM @ 50 PSI DIFFERENTIAL
 WEIGHT: 80 LBS

PM-100
COMPRESSOR PRE-LUBE PUMP MOTOR
 TYPE: ELECTRIC
 POWER: 3 / 60 / 230 V
 POWER OUTPUT: 5 HP @ 1800 RPM
 ENCLOSURE: EXPLOSION PROOF
 OPERATING SPEED: 1800 RPM (MAX.)
 WEIGHT: 72 LBS

V-101
OIL SEPARATOR
 SIZE: 36" ID X 98" S/S
 MAWP: 245 PSIG @ 250 DEG.F
 MDMT: 245 PSIG @ -20 DEG.F
 CA: 0.0825"
 SHELL MATERIAL: SA-516-70
 HEAD MATERIAL: SA-516-70
 ELEMENT: (4) RSC1175-3
 WEIGHT: 2890 LBS



SKID GENERAL NOTES:

- UNIT LOCATION: INDOORS, ALBERTA
- ELECTRICAL CLASSIFICATION: CLASS 1, DIV. 1, GROUP D
- MINIMUM DESIGN AMBIENT TEMPERATURE: -40 DEG.F
- MAXIMUM DESIGN AMBIENT TEMPERATURE: 100 DEG.F
- COMPRESSOR SYSTEM OIL CHARGE: 120 USGAL
- COMPRESSOR OIL TYPE: S5-150
- ELEVATION: 2500 F.A.S.L
- ATMOSPHERIC PRESSURE: 13.4 PSIA
- ENGINE OIL CHARGE: 50 USGAL
- ENGINE OIL TYPE: SAE-40
- ENGINE JACKET COOLANT CAPACITY: 40 GAL
- ENGINE TURBO COOLANT CAPACITY: 50 GAL
- ENGINE COOLANT: 50/50 ETHYLENE GLYCOL
- INSTRUMENT / FUEL GAS CONSUMPTION: 3400 SCFH (MAX)
- START GAS CONSUMPTION: 550 SCFH

NEXT AVAILABLE TAG#131

REV.	DESCRIPTION	DATE	BY	APPR.
3	AS BUILT	94/09	PN	AL
2	GENERAL CHANGES	94/07	PN	AL
1	ISSUED FOR CONSTRUCTION	94/08	PN	AL
0	ISSUED FOR APPROVAL	94/04	PN	AL

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LOCK PROCESS SYSTEMS		INDUSTRIES	
CALGARY, ALBERTA, CANADA			
CUSTOMER P.O. #		TITLE	
P & I FLOW DIAGRAM		FOR	
DATE	SCALE	DRAWN BY	APPR. BY
APRIL, 1994	N/A	PERRY NOBLE	AL
ORDER #	W.O. #	DRAWING #	REVISION
100078	N/A	100078-1A	3

TYPE: HEADLINE
MODEL#: 880-AF-1"
SIZE: 4" OD X 12" S/F
WAMP: 230 PSIG X 250 DEG.F
SHELL MATERIAL: ALUMINUM
HEAD MATERIAL: ALUMINUM
ELEMENT: 38-152-70C
CAPACITY: 4000 SCFH
WEIGHT: 10 LBS

TYPE: CATA-DYNE
HEAT OUTPUT: 44000 BTU/HR (EACH)
SIZE: BX-24 X 48
STARTING ELEMENT: 120V
WEIGHT: 88 LBS
C/W: PRESSURE REGULATOR
THERMOSTAT
SAFETY SHUTOFF

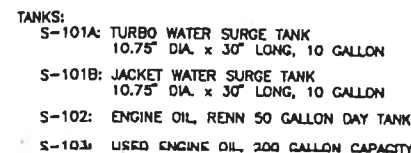
MAKE:	TUTHILL
MODEL:	2LEVH-C-350
MAX. FLOW:	5 GPM
FLUID:	SAE-40 OIL
SPEED:	1800 RPM
POWER DRAW:	0.7 HP @ 1800 RPM
MOTOR:	1 HP
ENCLOSURE:	EXPLOSION PROOF
POWER:	3 / 60 /230 VAC
WEIGHT:	15 LBS

TYPE: CATERPILLAR 3408 TA TURBO-CHARGED
BORE: 5.4 IN
STROKE: 6 IN
DISPLACEMENT: 1099 IN³
COMPRESSION RATIO: 9.7 : 1
SPEED RANGE: 1400-1800 RPM
BHP (RATED): 400 BHP @ 1800 RPM
WEIGHT: 3700 LBS

TYPE: AIR-X-EXCHANGER
MODEL: 93EH
AFTERCOOLER COIL: WAMP: 245 PSIG @ 250 DEG.F
DUTY: 372049 BTU/HR
GLYCOL COIL: WAMP: 14 PSIG @ 250 DEG.F
(JACKET WATER) DUTY: 1171038 BTU/HR
GLYCOL COIL: WAMP: 14 PSIG @ 250 DEG.F
(TURBO GLYCOL/OIL COOLER GLYCOL) DUTY: 655000 BTU/HR
NDMT:250 PSIG @ -20 DEG.F

MAKE: NIXON VICARB
MODEL: V-45SST-HP-100-CH
PLATES: 61
MAWP OIL SIDE: 250 PSIG @ 245 DEG.F
MAWP GLYCOL SIDE: 250 PSIG @ 245 DEG.F
DESIGN DUTY: 602549 BTU/HR
SURFACE AREA: 256 FT²
WEIGHT: 2084 LBS
2315 LBS (FLOODED)

GLYCOL CIRCULATION PUMP & MOTOR
MAKE: PRICE
MODEL: 1 1/2" x 2" x 6" 8150W 450 21111
IMP DIA.: 6"
PRESSURE: 60 FT H2O
FLOW: 95 USGPM
FLUID: 50/50 GLYCOL
WEIGHT: 120 LBS
OPERATING SPEED: 3400 RPM
POWER DRAW: 5 H.P. ELECTRIC
ENCLOSURE: EXPLOSION PROOF
POWER: 3 / 60 / 230V



NOTE 1: F-102 AUXILIARY LUBE OIL FILTER,
25 GALLON CAPACITY, SUPPLIED WITH
CATERPILLAR 340B TA.

NOTE 2: MAXIMUM STARTER CASING PRESSURE 150 PSIG

NEXT AVAILABLE TAG#: 233

3	AS BUILT	94/09	PN
2	GENERAL CHANGES	94/07	PN
1	ISSUED FOR CONSTRUCTION	94/06	PN
0	ISSUED FOR APPROVAL	94/04	PN
REV.	DESCRIPTION	DATE	BY

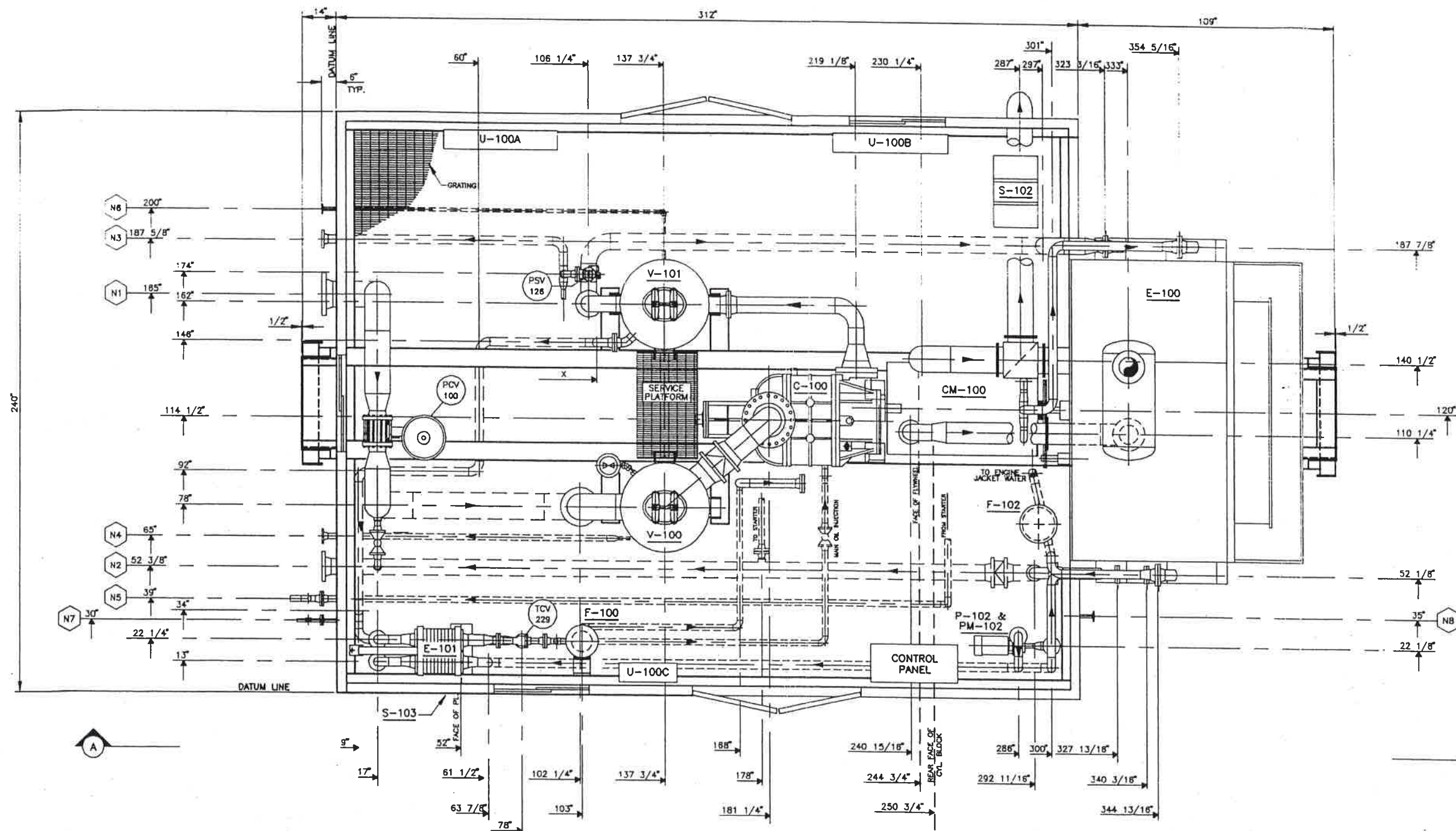
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		LOCK PROCESS SYSTEMS	
INDUSTRIES		CALGARY, ALBERTA, CANADA	
CUSTOMER P.O. #			
TITLE P & I FLOW DIAGRAM			
FOR			
DATE APRIL, 1994		SCALE N/A	
ORDER # 100078		DRAWN BY PERRY NOBLE	
		APPR. BY <i>PN</i>	
		DRAWING # 100078-1B	
		REVISED 3	

REF.

B

B



PLAN VIEW

GENERAL NOTES

SHIPPING WEIGHT: 77,500 LBS
SHIPPING HEIGHT: 18'-4 1/8"
SHIPPING WIDTH: 21'-0"
SHIPPING LENGTH: 36'-4"

NOZZLE SCHEDULE						
MARK	SIZE	RATING	TYPE	DESCRIPTION	LINE NUMBER	ELEV.
N1	10"	300#	RFWN	INLET	10"-HG-INLET-1-C31	9 5/8"
N2	6"	300#	RFWN	OUTLET	6"-HG-E100-1-C31	7 5/8"
N3	3"	150#	RFWN	RELIEF VENT	3"-F-HEADER-1-C11	5 7/8"
N4	2"	150#	RFWN	HYDROCARBON DRAIN	2"-HL-V100-2-C11	5 5/8"
N5	2"	150#	RFWN	START GAS VENT	2"-HG-VENT-1-C11	5 5/8"
N6	1"	150#	RFSW	COMPRESSOR OIL DRAIN	1"-L-V101-1-C11	3 1/8"
N7	1"	150#	RFSW	INSTRUMENT VENT	-	11 1/8"
N8	1"	150#	RFSW	GLYCOL DRAIN	-	6 1/8"

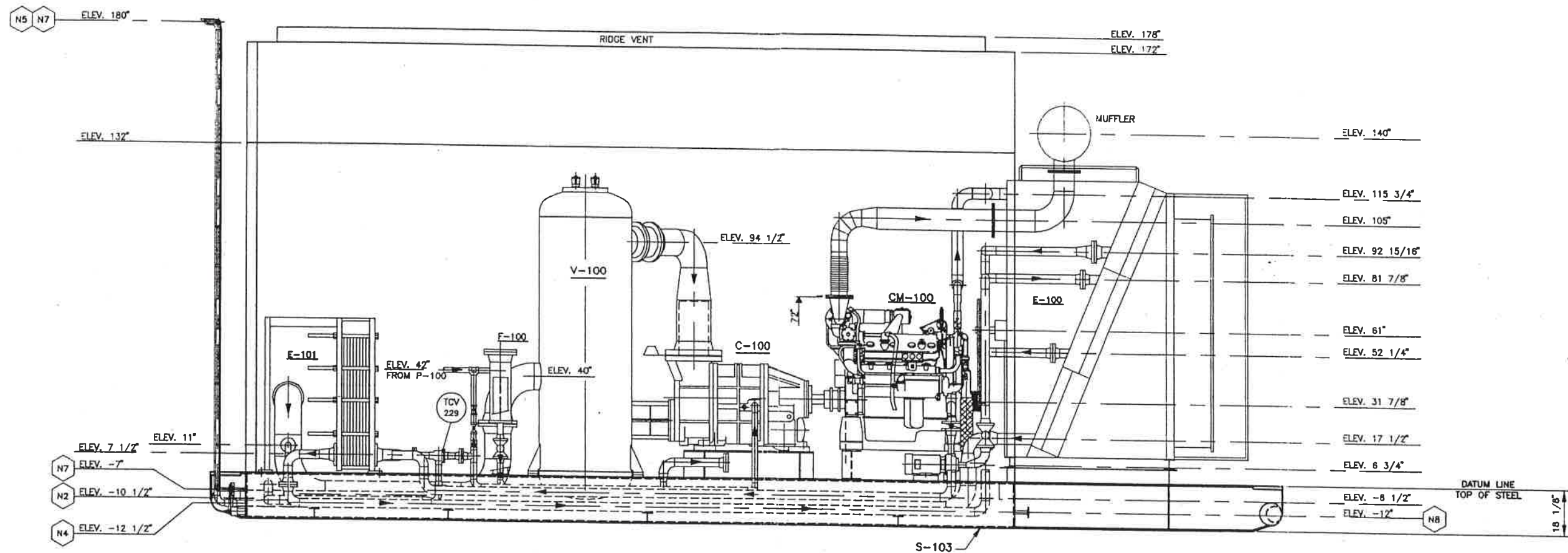
NOTES:

- NOZZLE ELEVATIONS ARE FROM CENTRELINE OF PIPE TO BOTTOM OF SKID.
- SKID DEPTH IS 18 1/8"
- FLANGED BOLT HOLES TO STRADDLE MAIN CENTRELINES.

2	AS BUILT	94/09	PN	AL
1	ISSUED FOR CONSTRUCTION	94/06	PN	AL
0	ISSUED FOR APPROVAL	94/05	PN	AL
REV.	DESCRIPTION	DATE	BY	APPR.

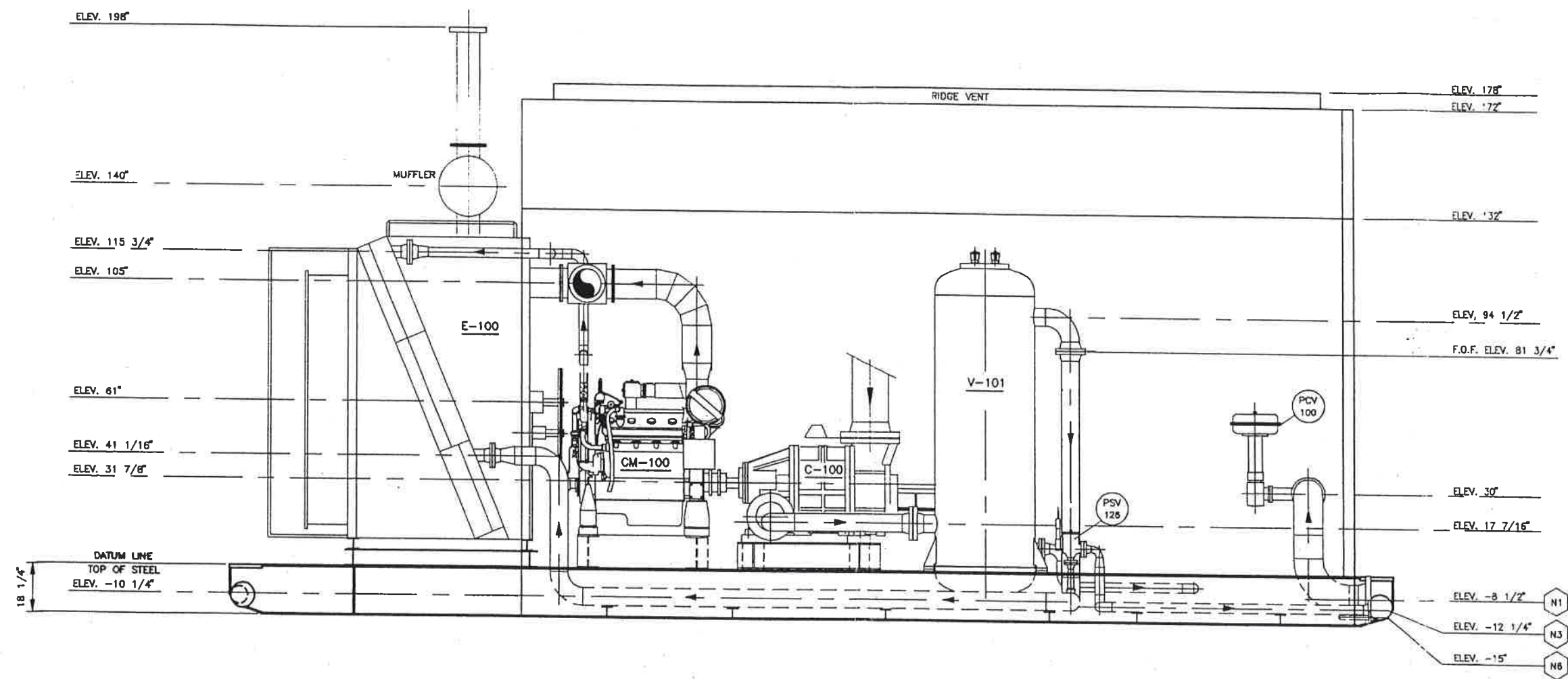
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LOCK PROCESS SYSTEMS CALGARY, ALBERTA, CANADA	
CUSTOMER P.O. # _____ TITLE SKID LAYOUT & ELEVATIONS FOR _____	
DATE MAY, 1994 ORDER # 100078	SCALE 1/2" = 1'-0" W.O. # N/A
DRAWN BY PERRY NOBLE DRAWING # 100078-2A	APPR. BY [Signature] REVISION 2



VIEW A-A

LOCK PROCESS SYSTEMS CALGARY, ALBERTA, CANADA	
2 AS BUILT 1 ISSUED FOR CONSTRUCTION 0 ISSUED FOR APPROVAL	94/09 PN 94/08 PN 94/05 PN
CUSTOMER P.O. N° TITLE SKID LAYOUT & ELEVATIONS	
DATE MAY, 1994	
SCALE 1/2" = 1'-0"	
DRAWN BY PERRY NOBLE	
APPR. BY [Signature]	
ORDER N° 100078	
W.D. N° N/A	
DRAWING N° 100078-2B	
REVISION 2	

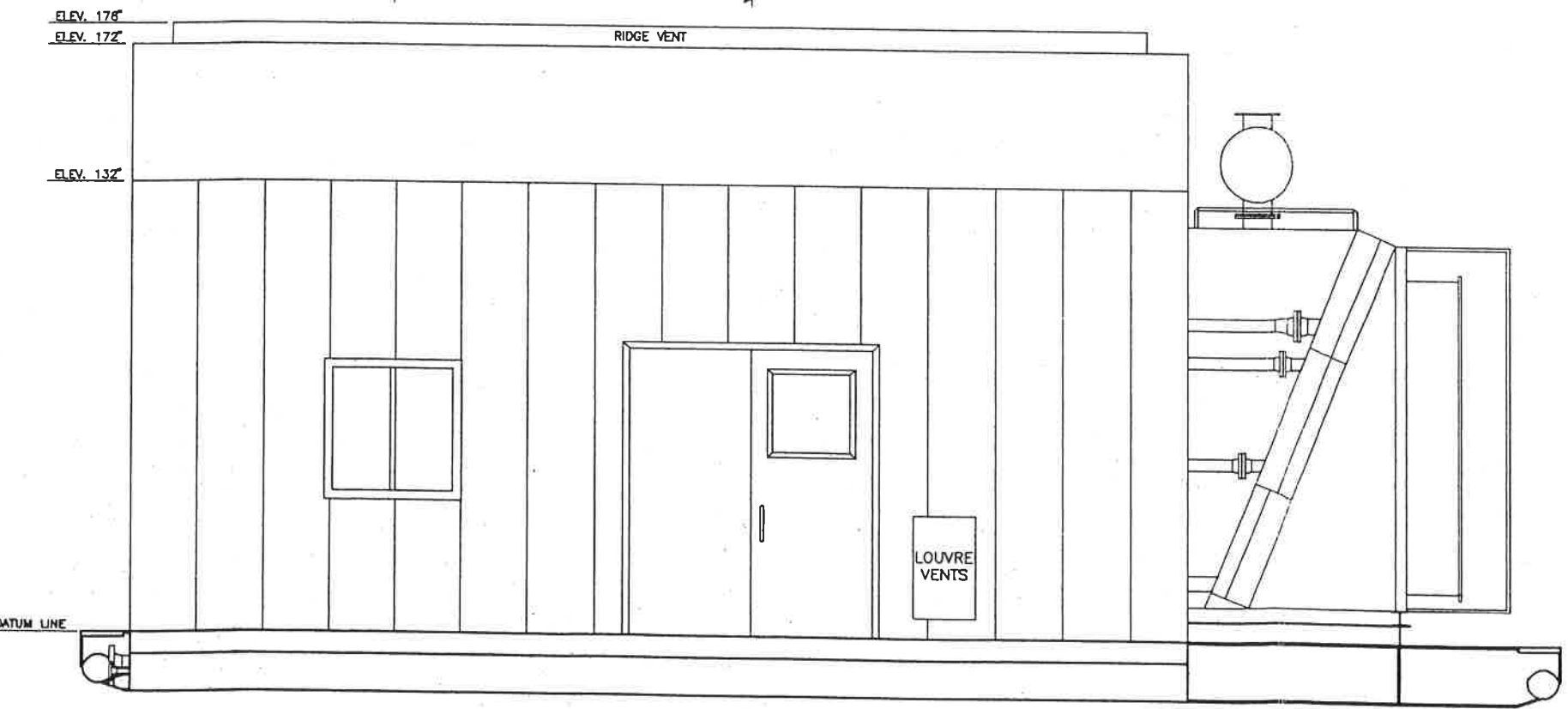
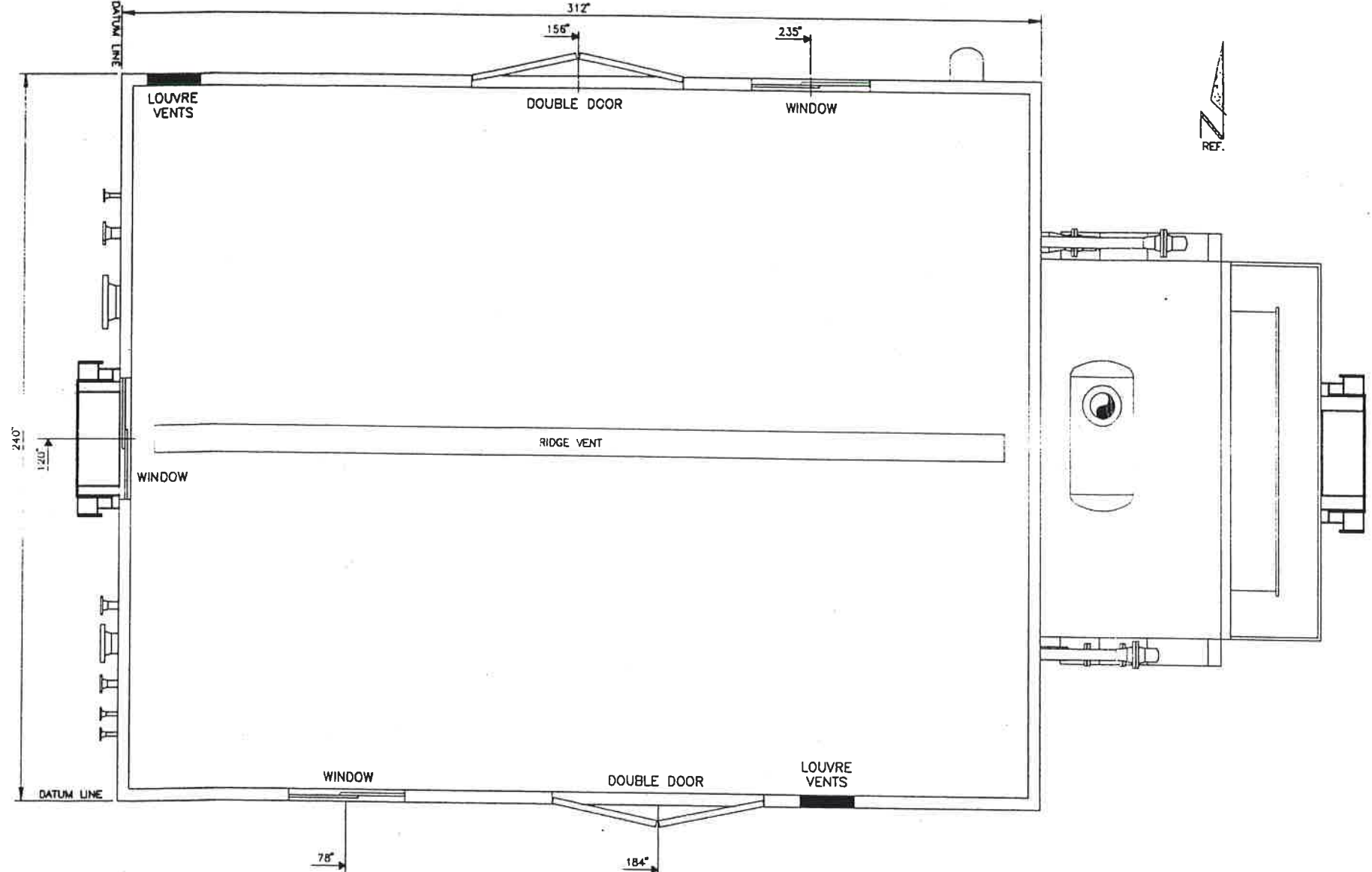


VIEW B-B

2	AS BUILT	94/09	PN	RI
1	ISSUED FOR CONSTRUCTION	94/08	PN	RI
0	ISSUED FOR APPROVAL	94/05	PN	RI
REV.	DESCRIPTION	DATE	BY	APPR.
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TOROMONT LOCK PROCESS INDUSTRIES		LOCK PROCESS SYSTEMS CALGARY, ALBERTA, CANADA	
CUSTOMER P.O. #		TITLE	
		SKID LAYOUT & ELEVATIONS	
DATE		SCALE	DRAWN BY
MAY, 1994		1" = 1'-0"	PERRY NOBLE
ORDER #	W.O. #	DRAWING #	REVISION
100078	N/A	100078-2C	2

DATE: 9-25-94

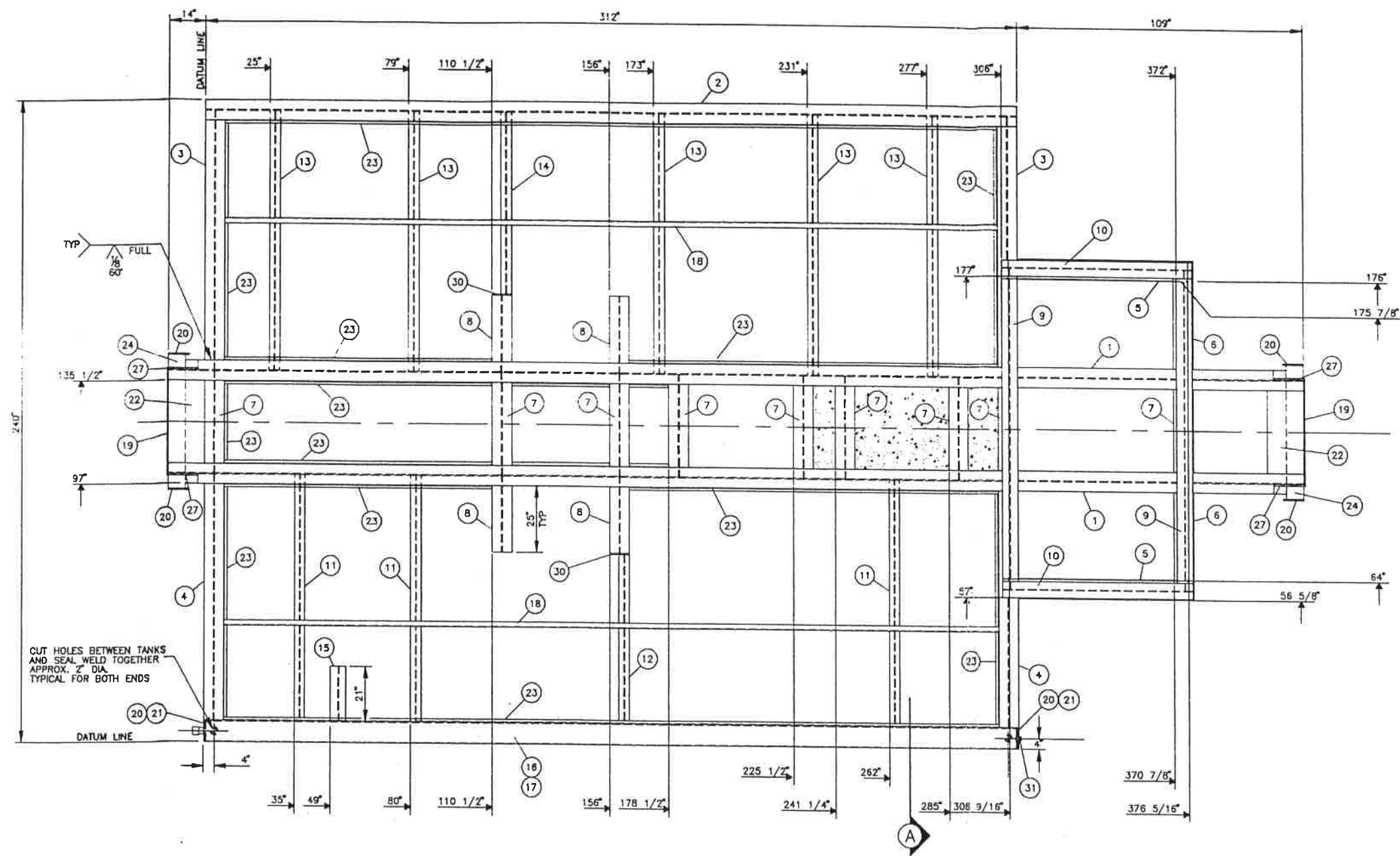


NOTES:

- BUILDING INCLUDES:
 - NATURAL GALVANIZED EXTERIOR, NATURAL ALUMINUM INTERNAL.
 - 22 GA EXTERIOR / 24 GA INTERIOR.
 - INSULATION - R12 WALLS, R12 ROOF.
 - 3 ONLY WINDOWS - 36" x 36" DOUBLE GLAZED SLIDERS WITH HALF SCREEN.
 - 2 ONLY DOORS - DOUBLE WITH PANIC HARDWARE, CHECKCHAIN, LOCKS, HYDRAULIC CLOSURE, AND WIRE MESH WINDOWS.
 - DOOR CANOPIES ON EACH DOOR
 - EAVES TROUGH AND SPOUTS.
 - ICE RAKES
 - 4 MILL POLY VAPOUR BARRIER ROOF & WALLS
 - MAROON TRIM PACKAGE

2	AS BUILT	94/09	PN	AL
1	ISSUED FOR CONSTRUCTION	94/06	FN	AL
0	ISSUED FOR APPROVAL	94/05	PN	AL
REV.	DESCRIPTION	DATE	BY	APPR.
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TORONTO LOCK PROCESS INDUSTRIES		LOCK PROCESS SYSTEMS		CALGARY, ALBERTA, CANADA	
CUSTOMER P.O. #		TITLE			
BUILDING LAYOUT		FOR			
DATE	SCALE	DRAWN BY	APPR BY	REVISION	
MAY 1994	1/2" = 1'-0"	PERRY NOBLE	AL		
ORDER #	W.O. #	DRAWING #			
100078	N/A	100078-2D			2



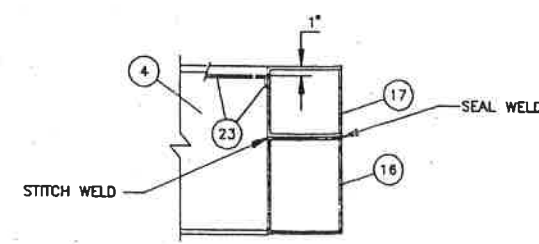
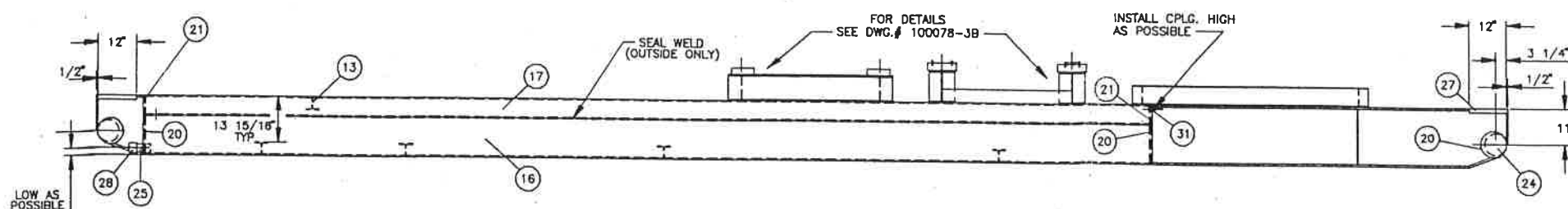
BILL OF MATERIAL			
ITEM	QTY.	DESCRIPTION	MATERIAL
1	2	W18 x 55 x 435" LG	SA-36
2	1	W18 x 55 x 312" LG	SA-36
3	2	W18 x 55 x 98 9/16" LG	SA-36
4	2	W18 x 55 x 92 1/2" LG	SA-36
5	2	W18 x 55 x 69 7/8" LG	SA-36
6	2	W18 x 55 x 39 15/16"	SA-36
7	9	W18 x 55 x 38" LG	SA-36
8	4	W18 x 55 x 28 1/2" LG	SA-36
9	2	W8 x 15 x 119 3/4" LG	SA-36
10	2	W6 x 15 x 71 15/16" LG	SA-36
11	3	W4 x 13 x 92 1/2" LG	SA-36
12	1	W4 x 13 x 83 3/8" LG	SA-36
13	5	W4 x 13 x 98 9/16" LG	SA-36
14	1	W4 x 13 x 87 3/4" LG	SA-36
15	1	W8 x 15 x 21" LG	SA-36
16	1	H.S.S.: 12" x 8" x 1/4" THK x 312" LG	SA-36
17	1	H.S.S.: 8" x 6" x 1/4" THK x 312" LG	SA-36
* 18	SHOP	H.S.S.: 2" x 2" x 1/8" THK x 50 FT.	SA-36
19	2	PLATE: 1/2" THK 11" x 39" LG	SA-36
20	2	PLATE: 3/8" THK 7 1/2" x 11 1/2" LG	SA-36
21	2	PLATE: 3/8" THK 5 1/2" x 7 1/2" LG	SA-36
22	2	PLATE: 1/4" THK 14" x 31" LG	SA-36
23	SHOP	ANGLE IRON: 1 1/4" x 1/4" THK x 170 FT.	SA-36
24	2	PIPE: 6" NOM XH WT x 50" LG	SA-106B
25	1	PIPE: 2" NOM STD WT x 12" LG (TOE) (CTS)	SA-106B
26			
27	2	PIPE: 1" NOM XH WT x 12 1/2" LG (CTS)	SA-106B
28	2	CAP: 2"-3000# NPT	SA-105
29			
30	2	PLATE: 1/4" THK 7 1/2" x 18 1/4" LG	SA-36
31	1	COUPLING: 3/4"-3000# NPT	SA-105

B.O.M. FOR (1)
(2) REQUIRED

* INSTALLED BY LOCK

GENERAL NOTES:

1. SKID STEEL WEIGHT: 15000 LBS
2. COPE FLANGES WHERE REQUIRED.
3. ALL WELDS TO BE 1/4" FILLET WELDS, UNLESS OTHERWISE SPECIFIED.
4. ALL CUT LENGTHS ARE EXACT. TOL +0.00 MM, -3 MM
5. ALL BOLT HOLES ARE 19 DIA. UNLESS OTHERWISE SPECIFIED.



SECTION "A"
TYPICAL FOR BOTH
CORNERS WITH H.S.S.
N.T.S.

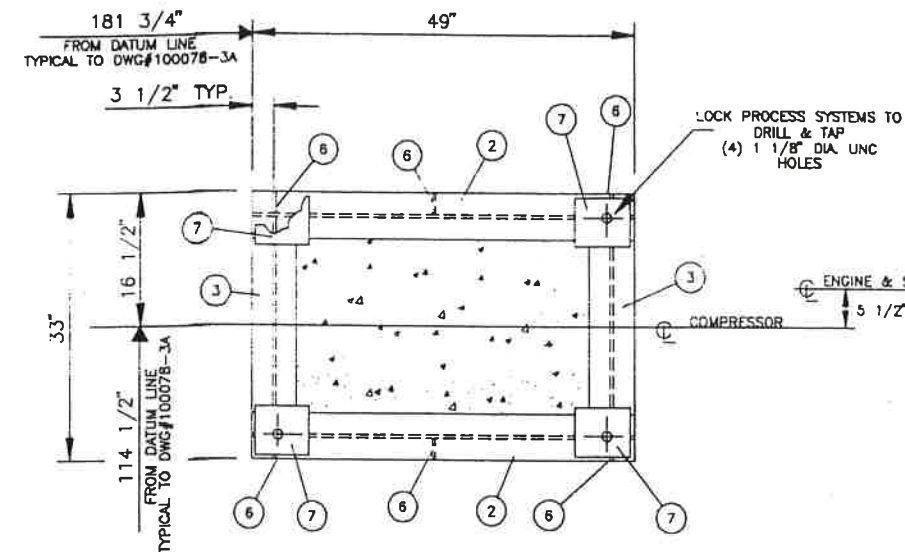
2	AS BUILT	94/09	PN	AL
1	ISSUED FOR CONSTRUCTION	94/06	PN	AL
0	ISSUED FOR APPROVAL	94/04	PN	AL
REV.	DESCRIPTION	DATE	BY	APPR.

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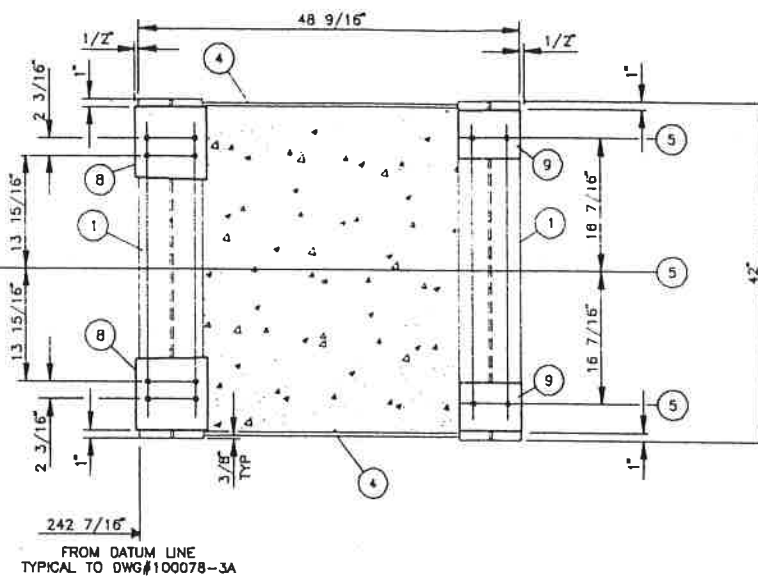
LOCK PROCESS SYSTEMS
INDUSTRIES

CALGARY, ALBERTA, CANADA

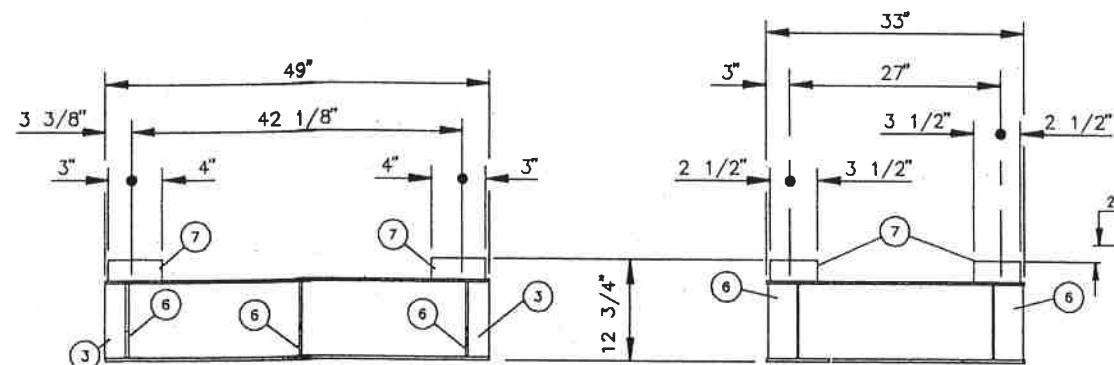
CUSTOMER P.O. #	TITLE		
	SKID STEEL LAYOUT		
DATE	SCALE	DRAWN BY	APPR. BY
APRIL 1994	1/2" = 1'-0"	PERRY NOBLE	
ORDER #	W.O. #	DRAWING #	REVISION
100078	N/A	100078-3A	2



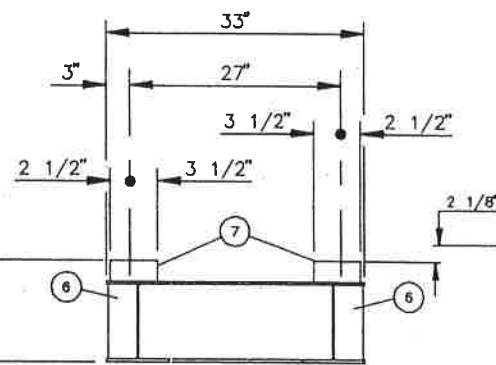
COMPRESSOR SUPPORT



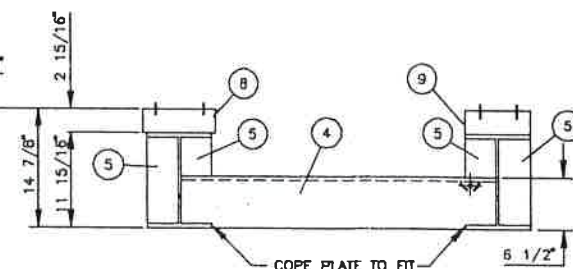
ENGINE SUPPORT



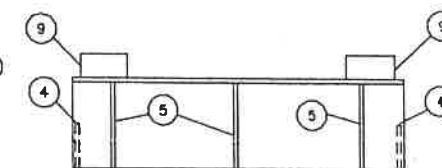
ELEVATION
(COMPRESSOR)



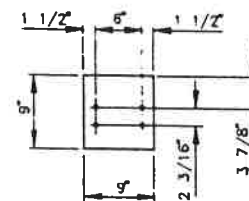
END VIEW
(COMPRESSOR)



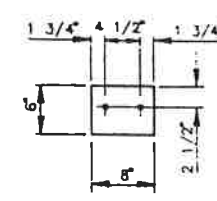
ELEVATION
(ENGINE)



END VIEW
(ENGINE)



(8) (2) REQUIRED



(9) (2) REQUIRED

BILL OF MATERIAL		
ITEM	QTY.	DESCRIPTION
1	2	W12 x 40 x 42' LG
2	2	W10 x 22 x 49' LG
3	2	W10 x 22 x 27' LG
4	2	PLATE: 1/2" THK 3 1/2" x 40 1/4" LG
5	12	PLATE: 1/2" THK 3 3/4" x 10 7/8" LG
6	8	PLATE: 1/2" THK 3 7/8" x 7 1/4" LG
7	4	PLATE: 2.825" THK 6" x 7" LG
8	2	PLATE: 2.935" THK 9" x 9" LG
9	2	PLATE: 2.935" THK 6" x 8" LG

TOROMONT LOCK PROCESS SYSTEMS CALGARY, ALBERTA, CANADA	
CUSTOMER P.O. # TITLE FOR	SKID STEEL (SUPPORT DETAILS)
DATE MAY, 1994	SCALE 1" = 1'-0"
ORDER # 100078	DRAWING # 100078-3B
REV. 2 AS BUILT 94/09 PN	REV. 1 ISSUED FOR CONSTRUCTION 94/06 PN
REV. 0 ISSUED FOR APPROVAL 94/05 PN	REV. 0 ISSUED FOR APPROVAL 94/05 PN
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2	2