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CP-1
CONTROL PANEL
TYPE: MURPHY TTDJ
POWER SUPPLY: IGNITION SYSTEM

V-1
COMPRESSOR SUCTION SCRUBBER

SIZE: 30" OD. X 102" S/S
M.A.W.P.: 245 PSIG @ 250 DEG. F
M.D.M.T.: -20 DEG F @ 245 PSIG
C.A.: 0.0625"
SHELL MATERIAL: SA-516-70
HEAD MATERIAL: SA-516-70
WEIGHT: 1845 LBS.

V-4
BLOWCASE
SIZE: 20" I.D. X 50" S/S
M.A.W.P.: 375 PSIG @ 250 DEG.F
M.D.M.T.: -20 DEG.F @ 375 PSIG
C.A.: 0.0625"
SHELL MATERIAL: SA-106-B
HEAD MATERIAL: SA-516-70
WEIGHT: 975 LBS.

SKID GENERAL NOTES:

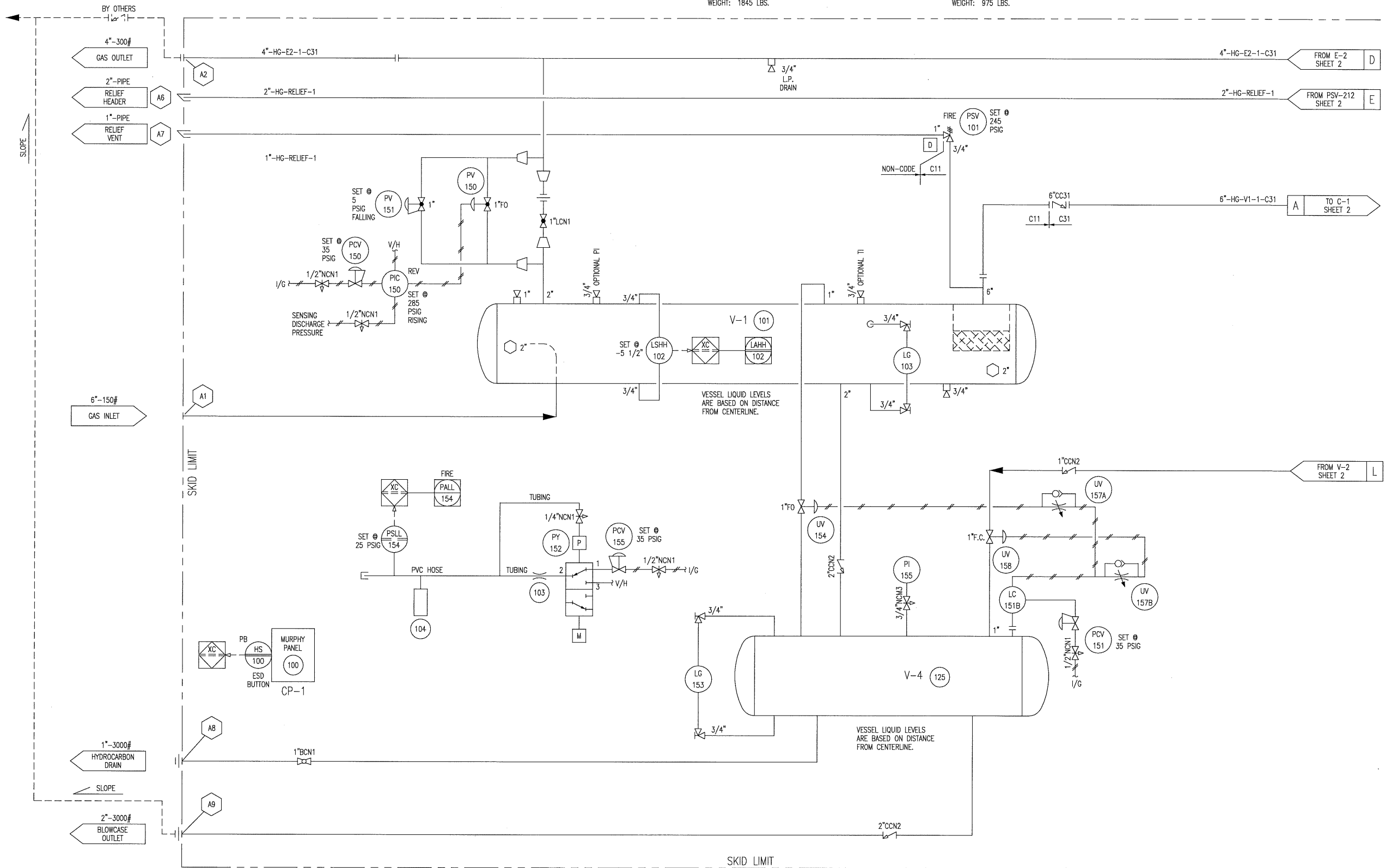
- UNIT LOCATION: T.B.A.
- LSD: T.B.A.
- ELECTRICAL CLASSIFICATION: CLASS 1, DIV. II, GROUP D
(BUILDING GAS DETECTION TO BE SUPPLIED BY OTHERS AS REQUIRED)
- MINIMUM DESIGN INDOOR TEMPERATURE: 60 DEG.F
- MAXIMUM DESIGN AMBIENT TEMPERATURE: 100 DEG.F
- COMPRESSOR SYSTEM OIL CHARGE: 50 USGAL
- COMPRESSOR OIL TYPE: SS-100

- ENGINE OIL CHARGE: 50 USGAL
- ENGINE OIL TYPE: SAE 40
- ENGINE JACKET COOLANT CAPACITY: 40 USGAL
- ENGINE TURBO COOLANT CAPACITY: 65 USGAL
- ENGINE COOLANT: 50/50 ETHYLENE GLYCOL
- INSTRUMENT / FUEL GAS CONSUMPTION: 2000 SCFH
- START GAS CONSUMPTION 550 SCFM
- ATMOSPHERIC PRESSURE: 13.4 PSIA
- ELEVATION: 2500 FT. DESIGN

CUSTOMER INTERFACE

DISCRETE INPUTS FROM CUSTOMER:
REMOTE ESD (N.C.)

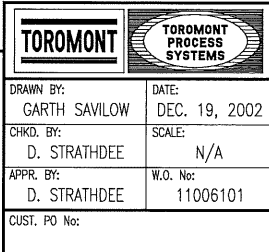
OUTPUTS TO CUSTOMER:
ONE SET OF DRY CONTACTS



2	AS BUILT	FEB 11/03	SS	
1	ISSUED FOR CONSTRUCTION	DEC 19/02	GWS	DS
REV.	DESCRIPTION	DATE	BY	APPR

PERMIT TO PRACTICE STAMP

ENGINEER STAMP



TITLE: P & I FLOW DIAGRAM

FOR: BURLINGTON RESOURCES
200 HP
BOOSTER COMPRESSOR
TRAILER MOUNTED

DWG. No: 11006-101

SHEET No:	REV:
1 OF 4	2

C-1
GAS COMPRESSOR
FRICK: MODEL XJF-151N
OPERATING SPEED: 900 TO 1800 RPM
SUCTION PRESSURE: 30-40 PSIG
DISCHARGE PRESSURE: 250-275 PSIG
MAX. DISCHARGE PRESSURE: 375 PSIA
MAX. DISCHARGE TEMPERATURE: 250 DEG.F
FLOW: SEE CURVES
WEIGHT: 1195 LBS

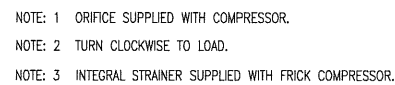
F-1
OIL FILTER

SIZE: 8.6" O.D. X 27.5" S/F
MAWP: 400 PSIG @ 250 DEG.F
MDMT: -20 DEG.F @ 400 PSIG
CA: 0.0625"
SHELL MATERIAL: SA-106B
HEAD MATERIAL: SA-234-WPB
ELEMENT: (1) MODEL 1833C
WEIGHT: 286 LBS.

V-2
OIL SEPARATOR

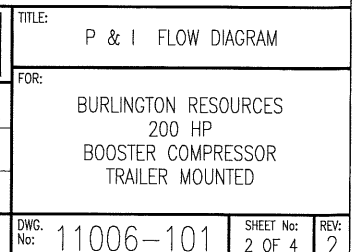
SIZE: 20" O.D. X 90" S/F
MAWP: 375 PSIG @ 250 DEG.F
MDMT: -20 DEG.F @ 375 PSIG
CA: 0.0625"
SHELL MATERIAL: SA-106B
HEAD MATERIAL: SA-516-70
ELEMENT: (1) RSC18321
WEIGHT: 2225 LBS.

E-1
OIL COOLER
MODEL: VIEX VX-20-FN1-75
PLATES: 29
MAWP OIL SIDE: 375 PSIG @ 250 DEG.F
MAWP GLYCOL SIDE: 375 PSIG @ 250 DEG.F
DESIGN DUTY: 342249 BTU/HR
SURFACE AREA: 58.10 SQ.FT
WEIGHT: 755 LBS.



2	AS BUILT	FEB 11/03	SS	
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ENGINEER STAMP



F-2
FUEL GAS FILTER
TYPE: HEADLINE
MODEL: 380AH-1
SIZE: 4" OD X 12" S/F
MAWP: 500 PSIG @ 175 DEG.F
ELEMENT: 38-152-70C
WEIGHT: 10 LBS

H-1A/B
CATALYTIC ROOM HEATER
INPUT: 16,000 BTU/HR (EACH)
SIZE: 24" X 24"
STARTING ELEMENT: 12V W/ 25' CABLES
C/W PRESSURE REGULATOR
THERMOSTAT & SAFETY SHUTOFF
WEIGHT: 90 LBS.

T-3
USED OIL STORAGE TANK
SIZE: HSS 3/8" THK X 8" X 12" X 222" LG
LOCATION: SIDE OF SKID
VOLUME: 80 USGAL

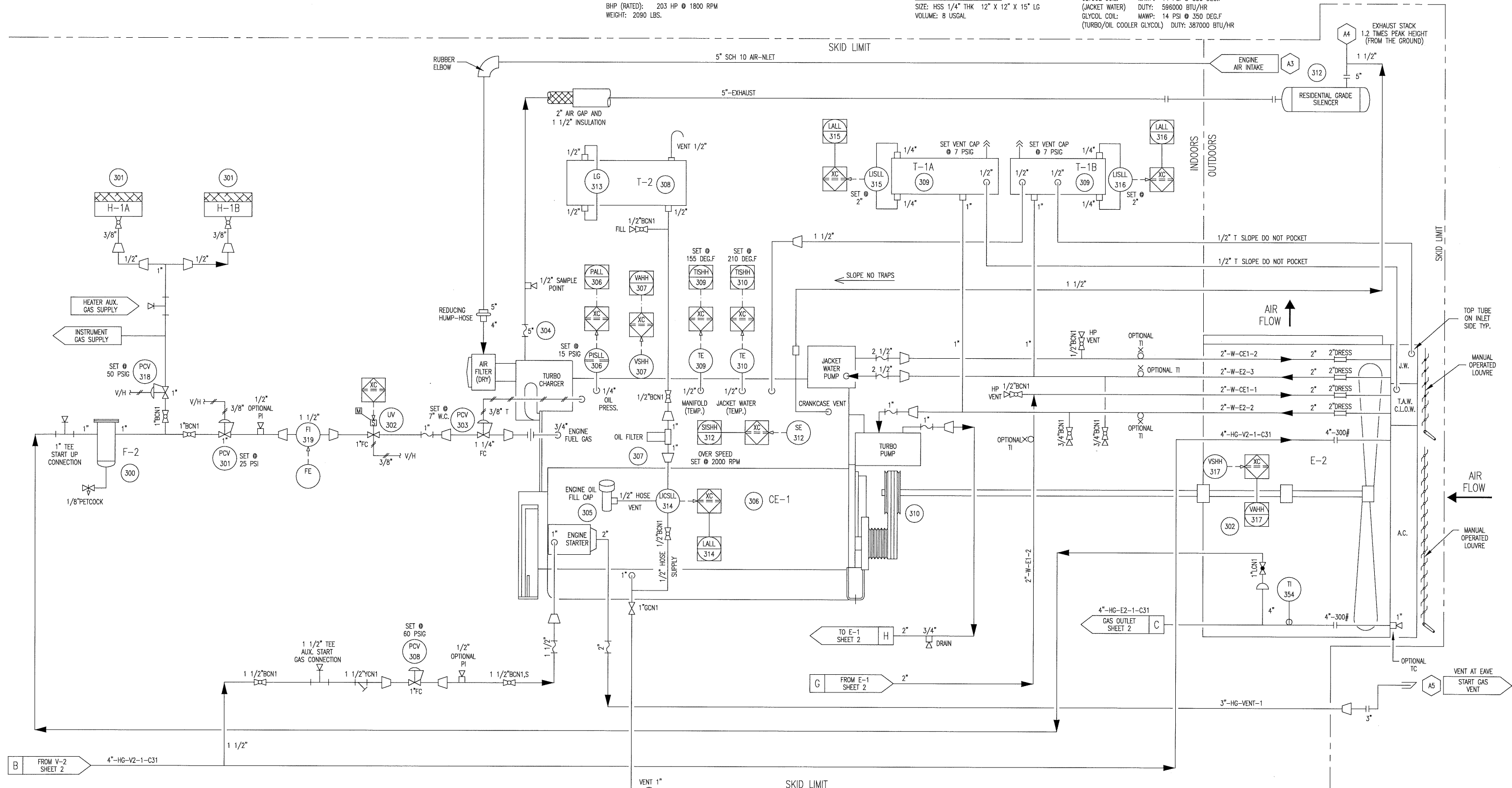
CE-1
NATURAL GAS ENGINE
TYPE: CATERPILLAR 3306TA
BORE: 4.75"
STROKE: 6"
DISPLACEMENT: 638 CU.IN
COMPRESSION RATIO: 8.0: 1
SPEED RANGE: 1400-1800 RPM
BHP (RATED): 203 HP @ 1800 RPM
WEIGHT: 2090 LBS.

T-2
OIL DAY TANK
SIZE: HSS 1/4" THK 12" X 12" X 120" LG
VOLUME: 68 USGAL

T-1A
TAW/CLOW GLYCOL SURGE TANK
SIZE: HSS 1/4" THK 12" X 12" X 24" LG
VOLUME: 12 USGAL

T-1B
JW GLYCOL SURGE TANK
SIZE: HSS 1/4" THK 12" X 12" X 15" LG
VOLUME: 8 USGAL

E-2
COMPRESSOR AFTERCOOLER/OIL COOLER/GLYCOL COOLER
TYPE: ACE
MODEL: J3B
AFTERCOOLER COIL: MAWP: 400 PSI @ 350 DEG.F
DUTY: 239864 BTU/HR
GLYCOL COIL: MAWP: 14 PSI @ 350 DEG.F
(JACKET WATER) DUTY: 596000 BTU/HR
(TURBO/OIL COOLER GLYCOL) DUTY: 387000 BTU/HR
FAN: MOORE 1000-16VT
FAN SPEED: 644 RPM
TOTAL AIR FLOW: 30543 SCFM
POWER DRAW: 8.7 HP
WEIGHT: 5769 LBS.



REV.	DESCRIPTION	DATE	BY	APPR.
2	AS BUILT	FEB 11/03	SS	
1	ISSUED FOR CONSTRUCTION	DEC 19/02	GWS	DS

PERMIT TO PRACTICE STAMP
ENGINEER STAMP

TOROMONT TOROMONT PROCESS SYSTEMS		TITLE: P & I FLOW DIAGRAM	
DRAWN BY: GARTH SAVILLO CHKD. BY: D. STRATHDEE APPR. BY: D. STRATHDEE CUST. PO No:		DATE: DEC. 19, 2002 SCALE: N/A W.O. No: 11006101	
FOR: BURLINGTON RESOURCES 200 HP BOOSTER COMPRESSOR TRAILER MOUNTED		DWG. No: 11006-101 SHEET No: 3 OF 4 REV: 2	

LINE IDENTIFICATION

A-B-CD-E-FGH-I,J

A : NOMINAL LINE SIZE IN INCHES

B : FLUID

CW COOLING WATER IA INSTR. AIR SUPPLY
F FUEL GAS IG INSTR. GAS SUPPLY
G GLYCOL L LUBE OIL (COMPRESSOR)
HG HYDROCARBON GAS V PRODUCED/PROCESS WATER
HL HYDROCARBON LIQUID

C : EQUIPMENT TYPE

B BLOWER/FAN H HEATER
C COMPRESSOR P PUMP
E EXCHANGER T TANK
F FILTER V PRESSURE VESSEL

MODIFIER

E ENGINE
M MOTOR

D : EQUIPMENT NUMBER: 1 TO 999 SEQUENTIAL NUMBERS

E : LINE NUMBER: 1 TO 9 SEQUENTIAL NUMBERS FROM EQUIPMENT

FGH : PIPING SPECIFICATION

F : MATERIAL GROUP

C CARBON STEEL
L LOW TEMP. CARBON STEEL
S STAINLESS STEEL

G : ANSI 16.5 FLANGE CLASS

1 150# 9 900#
3 300# 15 1500#
6 600# 25 2500#

H : LINE MATERIAL SPECIFICATION REFERENCE:
1 TO 9 SEQUENTIAL NUMBERS

III : MODIFIER / GENERAL

H PLUS THICKNESS IN INCHES (HOT INSULATION)
C PLUS THICKNESS IN INCHES (COLD INSULATION)
PP PLUS THICKNESS IN INCHES (PERSONAL PROTECTION)
HT PLUS THICKNESS IN INCHES (HEAT TRACING)
ST STEAM TRACING
GT GLYCOL TRACING
ET ELECTRICAL TRACING

EXAMPLE: 3"-HG-V1-2-C11-HT1", ET
3" - LINE SIZE
HG - HYDROCARBON GAS
V1 - VESSEL
2 - SECOND LINE FROM VESSEL
C11 - CARBON STEEL LINE
1 150# ANSI FLANGE RATING
1 LINE MATERIAL SPECIFICATION REFERENCE
HT1" - HEAT TRACING INSULATION 1" THICK
ET - ELECTRIC TRACING

LINE CODE

PRIMARY PROCESS LINE
SECONDARY PROCESS LINE
INSTRUMENT PROCESS LINE (TUBING "T")
BY OTHERS
SKID LIMIT
PNEUMATIC SIGNAL
ELECTRIC SIGNAL
CAPILLARY TUBING
INSTRUMENT SYSTEM LINK
(ELECTRONIC MEMORY SHARING)

VALVE IDENTIFICATION

A"BCDE,F

A : NOMINAL VALVE SIZE IN INCHES

B : TYPE

A ANGLE GLOBE N NEEDLE
B BALL P PLUG
C CHECK S START-UP STRAINER
G GATE T TEE STRAINER
L GLOBE Y Y-STRAINER
M MANIFOLD U BUTTERFLY

C : BODY MATERIAL

B BRONZE L LOW TEMP. CARBON STEEL
C CARBON STEEL S STAINLESS STEEL
I CAST IRON

D : END CONNECTIONS

1 FLANGED 150# B BUTT WELD
3 FLANGED 300# C SW BY NPT
6 FLANGED 600# F NPT BY FLANGE (MANIFOLD)
9 FLANGED 900# N NPT (THREADED)
15 FLANGED 1500# M NPT MALE BY NPT FEMALE
25 FLANGED 2500# S SW (SOCKETWELD)
T TUBE (SWAGELOCK)

E : IDENTIFIER - NUMBER USED TO SPECIFY VALVE
REFER TO VALVE DATA SHEETS

F : MODIFIER

C CHAIN OPERATOR O OXYGEN SERVICE/CLEANING
E EXTENDED BONNET P FULL PORT DESIGN
G GEAR OPERATOR R RTJ FLANGED
L LOCKING DEVICE S SPRING HANDLE (CLOSE)
N NACE TRIM X SPECIAL SPECIFICATIONS

EXAMPLE: 6"GC11,C
6" VALVE SIZE 1 150#
G GATE 1 API-600
C CARBON STEEL C CHAIN OPERATOR

CONTROL VALVES

POSITIONER
DIAPHRAGM CONTROL VALVE
OUTLET PRESSURE REGULATOR
(SELF-CONTAINED)
INLET PRESSURE REGULATOR
(SELF-CONTAINED)
PRESSURE DIFFERENTIAL CONTROL
VALVE (SELF-CONTAINED)
TWO-WAY SOLENOID VALVE
THREE-WAY SOLENOID VALVE
MOTOR ACTUATOR
HYDRAULIC / PNEUMATIC PISTON
OPERATED
VALVE W/ BLEED
VALVE W/ PLUG
PRESSURE SAFETY/
RELIEF VALVE
DESIGNATES ORIFICE
LETTER (SIZE)

MISCELLANEOUS

FLEXIBLE CONNECTION
SPECTACLE BLIND
(LINE OPEN)
SPECTACLE BLIND
(LINE CLOSED)
FLOW GLASS
RUPTURE DISC
FOR PRESSURE RELIEF
RUPTURE DISC
FOR VACUUM RELIEF
VORTEX BREAKER
DIAPHRAGM SEAL
CONTINUOUS LIQUID DRAINER
OR STEAM TRAP
SKID TIE-POINTS
OPEN DRAIN
THICKNESS
INSULATION - (C) COLD
(H) HOT
(HT) HEAT TRACING
(PP) PERSONAL PROTECTION
ELECTRIC HEAT TRACE
STEAM OR GLYCOL
HEAT TRACE

VALVES

ANGLE GLOBE VALVE
BALL VALVE
BUTTERFLY VALVE
CHECK VALVE
GATE VALVE
GLOBE VALVE
NEEDLE VALVE
PLUG VALVE
3-WAY VALVE
4-WAY VALVE
START-UP STRAINER
TEE STRAINER
Y-STRAINER

VALVE CONNECTIONS

THREADED
WELDED (BUTT OR SOCKET)
THREADED BY WELDED
FLANGED

INSTRUMENTS

THERMOWELL (THREADED)
THERMOWELL (WELDED)
LOCAL MOUNTED
LOCAL PANEL MOUNTED
MOUNTED BEHIND OR
IN LOCAL PANEL
MAIN PANEL MOUNTED
MOUNTED BEHIND OR
IN MAIN PANEL
MAN / MACHINE INTERFACE
IN MAIN PANEL
PILOT LIGHT
* COLOUR- (A) AMBER
(G) GREEN
(R) RED
(B) BLUE
(O) ORANGE
(W) WHITE
RELAY OR CONVERTER
* FOR INPUT/OUTPUT SEQUENCES
DESIGNATION: SIGNAL:
E VOLTAGE
H HYDRAULIC
I CURRENT (ELECTRICAL)
O ELECTROMAGNETIC OR SONIC
P PNEUMATIC
R RESISTANCE (ELECTRICAL)
PROGRAMMABLE LOGIC CONTROLLER (PLC)
XC REPRESENTS GENERAL LOGIC
X = PLC NUMBER
Y = PLC RACK NUMBER
THE ABOVE IDENTIFICATION NUMBER WILL BE
USED TO REFERENCE THE CONTROL PANELS.
INTERLOCK
ELECTRICAL (HARD WIRE) INTERLOCK

INSTRUMENT IDENTIFICATION GENERAL REFERENCE (ISA - S5.1)													
MODIFIER	RECORDER	CONTROLLER			TRANS-MITTER	CONTROL		CONTROL VALVE OR REGULATOR	SELF-ACTIVATED VALVE	RELAY OR CONVERTER			
		BLIND	INDICATING	RECORDING		SWITCH	ALARM						
	AR	AC	AIC	ARC	AT	AS()	AA()	AV		AY			
	BR	BC			BT	BS()	BA()	BV		BY			
	CR	CC	CIC	CRC	CT	CS()	CA()	CV		CY			
	DR	DC	DIC	DRC	DT	DS()	DA()	DV		DY			
	ER	EC	EIC	ERC	ET	ES()	EA()	EV		EY			
	FR	FC	FIC	FRC	FT	FS()	FA()	FV	FCV	FY			
	GR	GC	GIC	GRC	GT	GS()	GA()	GV					
		HC	HIC	HRC	HT	HS()		HV	HCV	HY			
	IR	IC	IIC	IRC	IT	IS()	IA()			IY			
	JR	JC	JIC	JRC	JT	JS()	JA()			JY			
	KR	KC	KIC	KRC	KT	KS()	KA()			KY			
	LR	LC	LIC	LRC	LT	LS()	LA()	LV	LCV	LY			
	MR	MC	MIC	MRC	MT	MS()	MA()	MV		MY			
	PR	PC	PIC	PRC	PT	PS()	PA()	PV	PCV	PY			
	QR	QC	QIC	QRC	QT	QS()	QA()	QV		QY			
	RR	RC	RIC	RRC	RT	RS()	RA()			RY			
	SR	SC	SIC	SRC	ST	SS()	SA()			SY			
	TR	TC	TIC	TRC	TT	TS()	TA()	TV	TCV	TY			
	UR	UC	UIC	URC				UV		UY			
	VR	VC	VIC	VRC	VT	VS()	VA()	VW		VY			
	WR	WC	WIC	WRC	WT	WS()	WA()	WV		WY			
	XR	XC	XIC	XRC	XT	XS()	XA()	XV		XY			
										YY			
	ZR	ZC	ZIC	ZRC	ZT	ZS()	ZA()			ZY			

(C) -CLOSE (O) -OPEN
(H) -HIGH ALARM (L) -LOW ALARM
(HH) -HIGH SHUTDOWN (LL) -LOW SHUTDOWN
(XX) -DIAGNOSTIC SHUTDOWN
(USED TO INDICATE THE
DIAGNOSTIC CHECK REQ'D
ON THE ANALOG INPUT)

ABBREVIATIONS

AOUT AUTOMATIC OUTPUT MAWP MAXIMUM ALLOWABLE WORKING PRESSURE
CA CORROSION ALLOWANCE MDMT MINIMUM DESIGN METAL TEMPERATURE
CHO CHAIN OPERATED MIN MINIMUM
CUST CUSTOMER MCC MOTOR CONTROL CENTER
DIR DIRECT ACTING MOUT MANUAL OUTPUT
DB DEADBAND MS MOTOR STARTER
Δ DELTA (DIFFERENTIAL) NC NORMALLY CLOSED
ESD EMERGENCY SHUTDOWN NLL NORMAL LIQUID LEVEL
FC FAIL CLOSED NO NORMALLY OPEN
FO FAIL OPEN MMI MAN / MACHINE INTERFACE
FLP FAIL LAST POSITION PB PUSH BUTTON
GAIN GAIN PL PILOT LIGHT
HI HIGH PLC PROGRAMMABLE LOGIC CONTROLLER
HS HAND SWITCH REV REVERSE ACTING
HTR HEATER RST RESET (INTEGRAL)
I/A INSTRUMENT AIR SUPPLY SCR SILICON CONTROLLED RECTIFIER
I/G INSTRUMENT GAS SUPPLY S/F SEAM TO FACE OF FLANGE
I/O INPUT / OUTPUT SP SETPOINT
LB/HR POUNDS PER HOUR SPC CALCULATED SETPOINT
FT3/DAY CUBIC FEET PER DAY SS SELECTOR SWITCH
FT3/HR CUBIC FEET PER HOUR S/S SEAM TO SEAM
FT3/MIN CUBIC FEET PER MINUTE T/T TANGENT TO TANGENT
LC LOCKED CLOSED TS/TS TUBESHEET TO TUBESHEET
LO LOCKED OPEN T/L TUBE LENGTH
MAX MAXIMUM V/H VENT HEADER

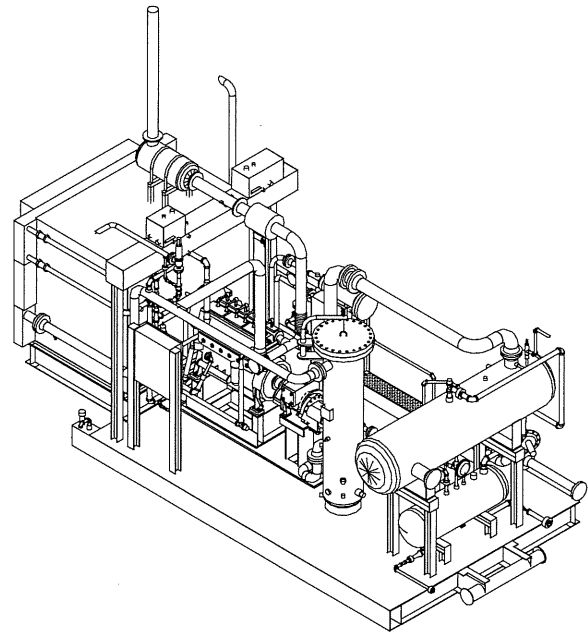
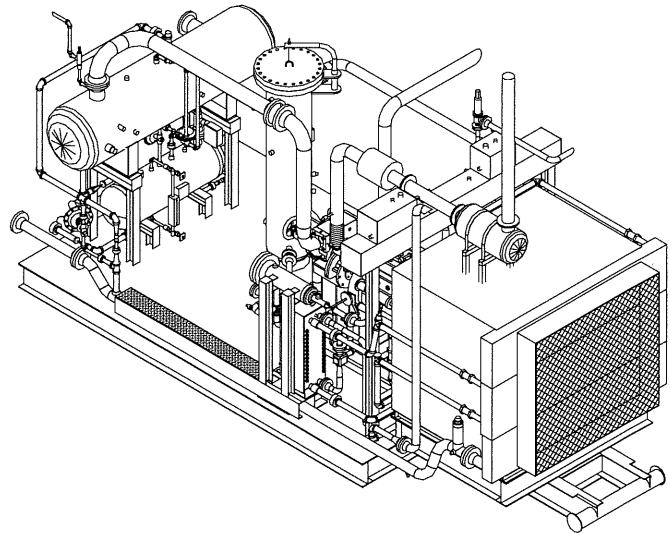
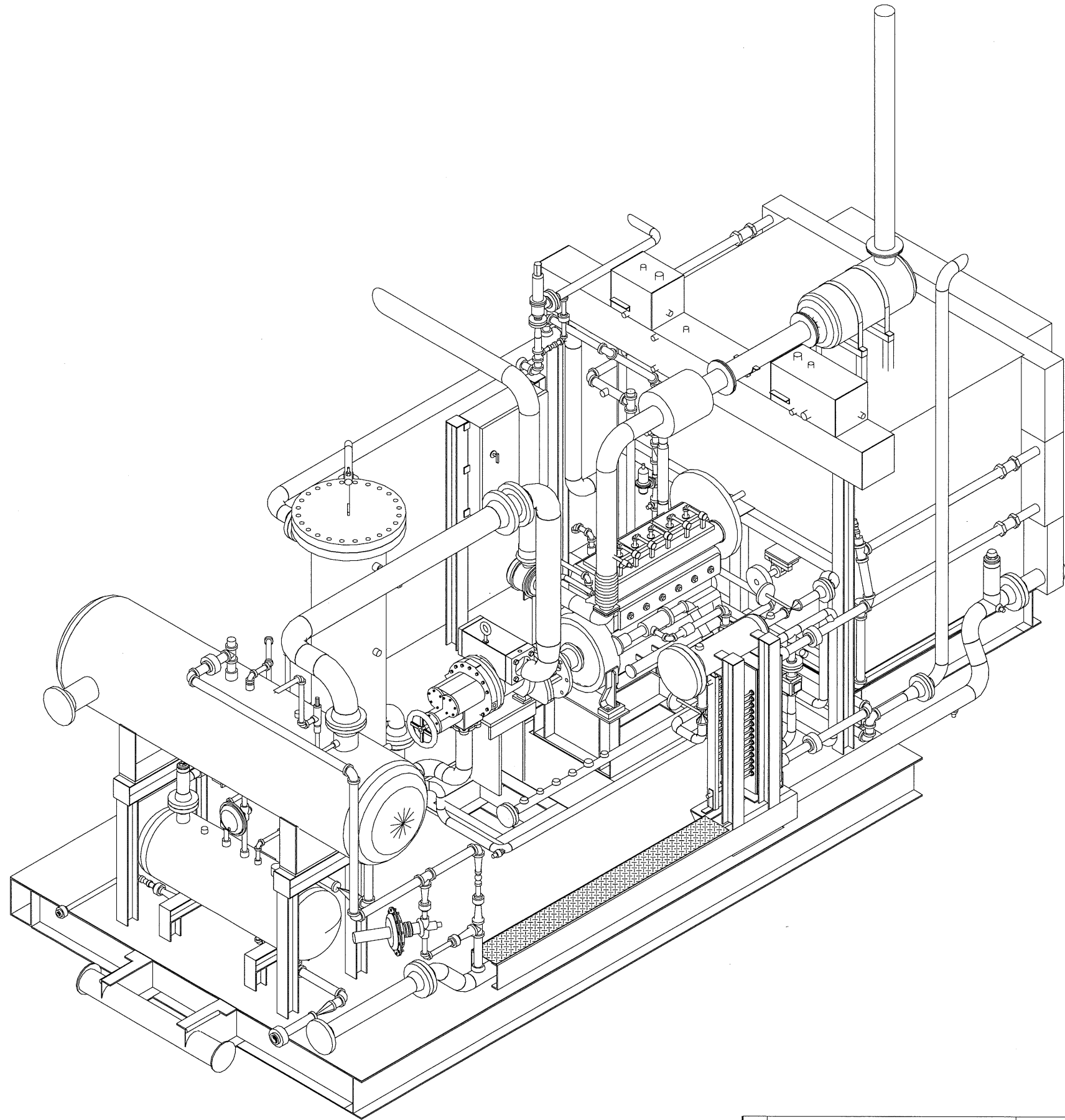
GENERAL NOTES

- TUBING TO BE 304SS, SEAMLESS, 0.035" WALL THICKNESS, CADMIUM PLATED CARBON STEEL FITTINGS WITH STAINLESS STEEL FERRULES.
- ALL TEMPERATURE INSTRUMENTS TO BE PROVIDED WITH A THERMOWELL.

REV.				DESCRIPTION		DATE		BY		APPR.		PERMIT TO PRACTICE STAMP		ENGINEER STAMP		TORMONT PROCESS SYSTEMS		TITLE: P & I FLOW DIAGRAM LEGEND	
2				AS BUILT		FEB 11/03		SS								DRAWN BY: G. SAVILLO		DATE: DEC. 19, 2002	
1				ISSUED FOR CONSTRUCTION		SEP 11/02		GWS DS								CHKD. BY: D. STRATHDEE		SCALE: N/A	
																APPR. BY: D. STRATHDEE		W.O. No: 11006101	
																CUST. PO No:		DWG. No: 11006-101	
																SHEET No: 4 OF 4		REV: 2	

TORMONT PROCESS SYSTEMS		BURLINGTON RESOURCES 200 HP BOOSTER COMPRESSOR TRAILER MOUNTED	
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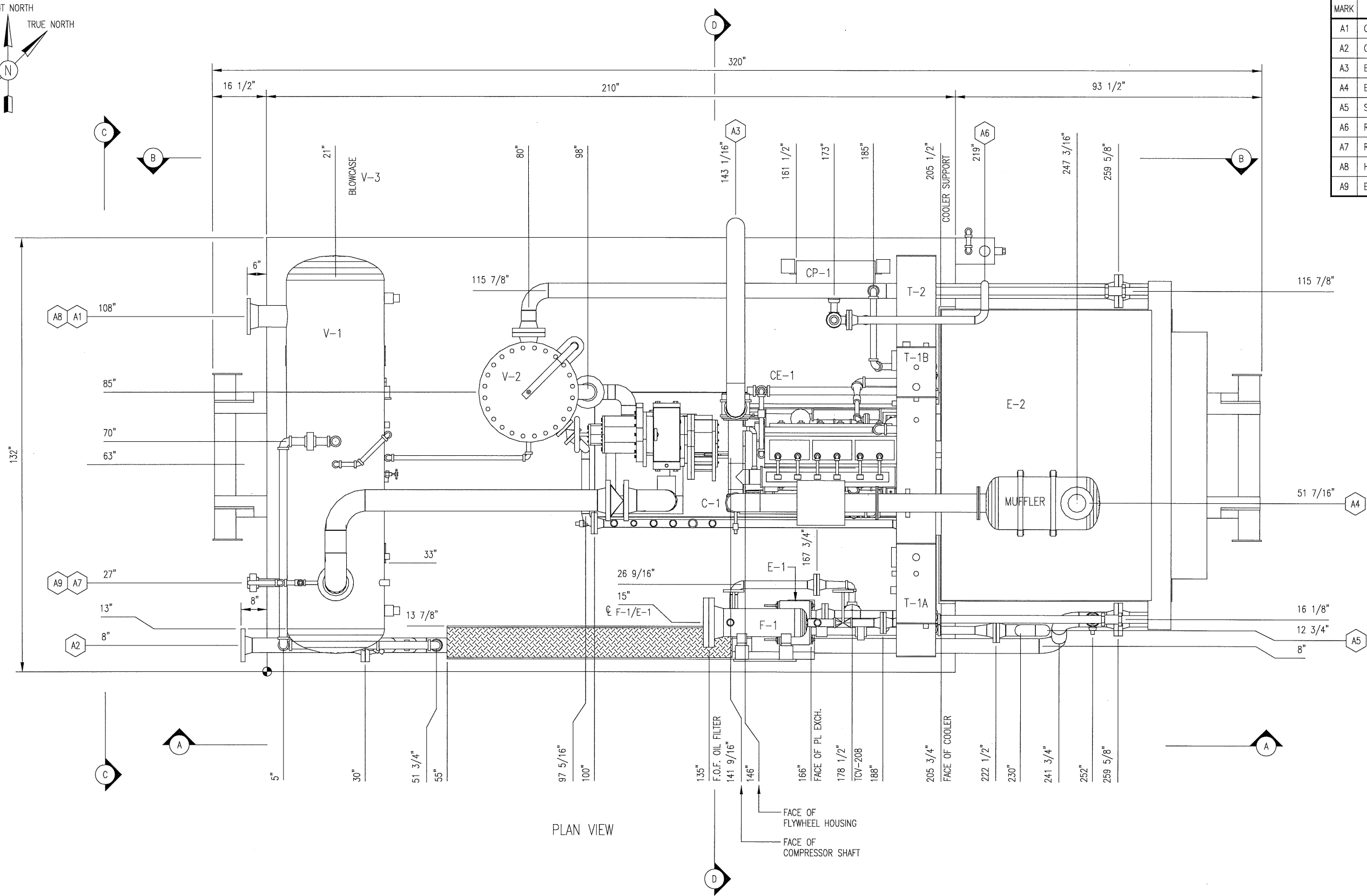
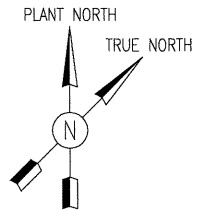
PERMIT TO PRACTICE STAMP

ENGINEER STAMP

TOROMONT PROCESS SYSTEMS	
DRAWN BY: GARTH SAVILOV	DATE: SEPT 11/02
CHKD. BY: D. STRATHDEE	SCALE: 1/2"=1'-0"
APPR. BY: D. STRATHDEE	W.O. No: 11006201
CUST. PO No:	

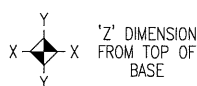
TITLE: 3D MODEL	
FOR: BURLINGTON RESOURCES 200 HP STOCK BOOSTER COMPRESSOR TRAILER MOUNTED	
DWG. No: 11006-201	SHEET No: 1 OF 5 REV: 2

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NOZZLE SCHEDULE					
MARK	SERVICE	SIZE	RATING	TYPE	CUSTOMER TIE POINT
A1	GAS INLET	6"	300#	RFWN	YES
A2	GAS OUTLET	4"	300#	RFWN	YES
A3	ENGINE AIR INTAKE	5"	-	STUB	NO
A4	ENGINE EXHAUST	5"	-	STUB	NO
A5	START GAS VENT	3"	-	STUB	NO
A6	RELIEF HEADER	2"	-	STUB	NO
A7	RELIEF VENT	1"	-	STUB	NO
A8	HYDROCARBON DRAIN	1"	3000#	UNION	NO
A9	BLOWCASE OUTLET	2"	3000#	UNION	NO

- GENERAL NOTES:
- ALL TAIL DIMENSIONS FROM REFERENCE POINT.
 - SHIPPING LENGTH: 320"
SHIPPING WIDTH: 143 1/2"
SHIPPING HEIGHT: 160"
 - SHIPPING WEIGHT: 35600 LBS
 - OPERATING WEIGHT: 35600 LBS
 - OVERALL SKID DEPTH: 8 3/16"
 - NOZZLE ELEVATIONS ARE FROM CENTERLINE OF PIPE TO TOP OF BASE (REFERENCE POINT).
 - (*) DENOTES ELEVATION FROM FACE OF FLANGE TO TOP OF BASE (REFERENCE POINT).
 - CENTER OF GRAVITY:
'X' FROM REFERENCE POINT: 000"
'Y' FROM REFERENCE POINT: 000"
'Z' FROM REFERENCE POINT: 000"



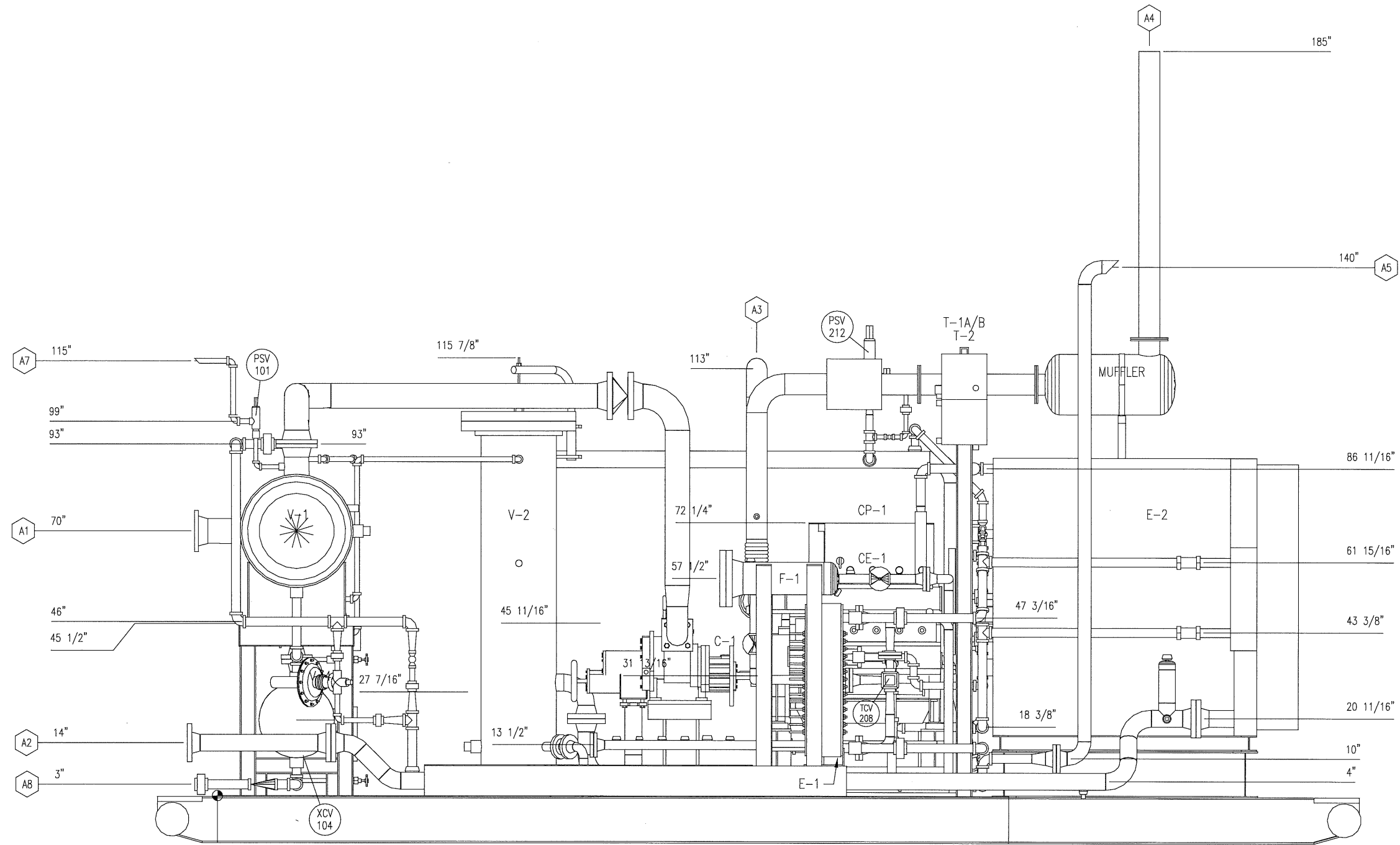
PLAN VIEW

REV.	DESCRIPTION	DATE	BY	APPR.
2	AS BUILT	FEB 11/03	SS	
1	ISSUED FOR CONSTRUCTION	DEC 19/02	GWS	DS

PERMIT TO PRACTICE STAMP	ENGINEER STAMP
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TOROMONT TOROMONT PROCESS SYSTEMS	TITLE: GENERAL ARRANGEMENT FOR: BURLINGTON RESOURCES 200 HP STOCK BOOSTER COMPRESSOR TRAILER MOUNTED
DRAWN BY: GARTH SAVILLO CHKD. BY: D. STRATHDEE APPR. BY: D. STRATHDEE CUST. PO No:	DATE: SEPT 11/02 SCALE: 3/4"=1'-0" W.O. No: 11006201
DWG. No: 11006-201	SHEET No: 2 OF 5 REV: 2

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ELEVATION "A-A"

REV.	DESCRIPTION	DATE	BY	APPR.
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1	ISSUED FOR CONSTRUCTION	DEC 19/02	GWS	DS

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ENGINEER STAMP



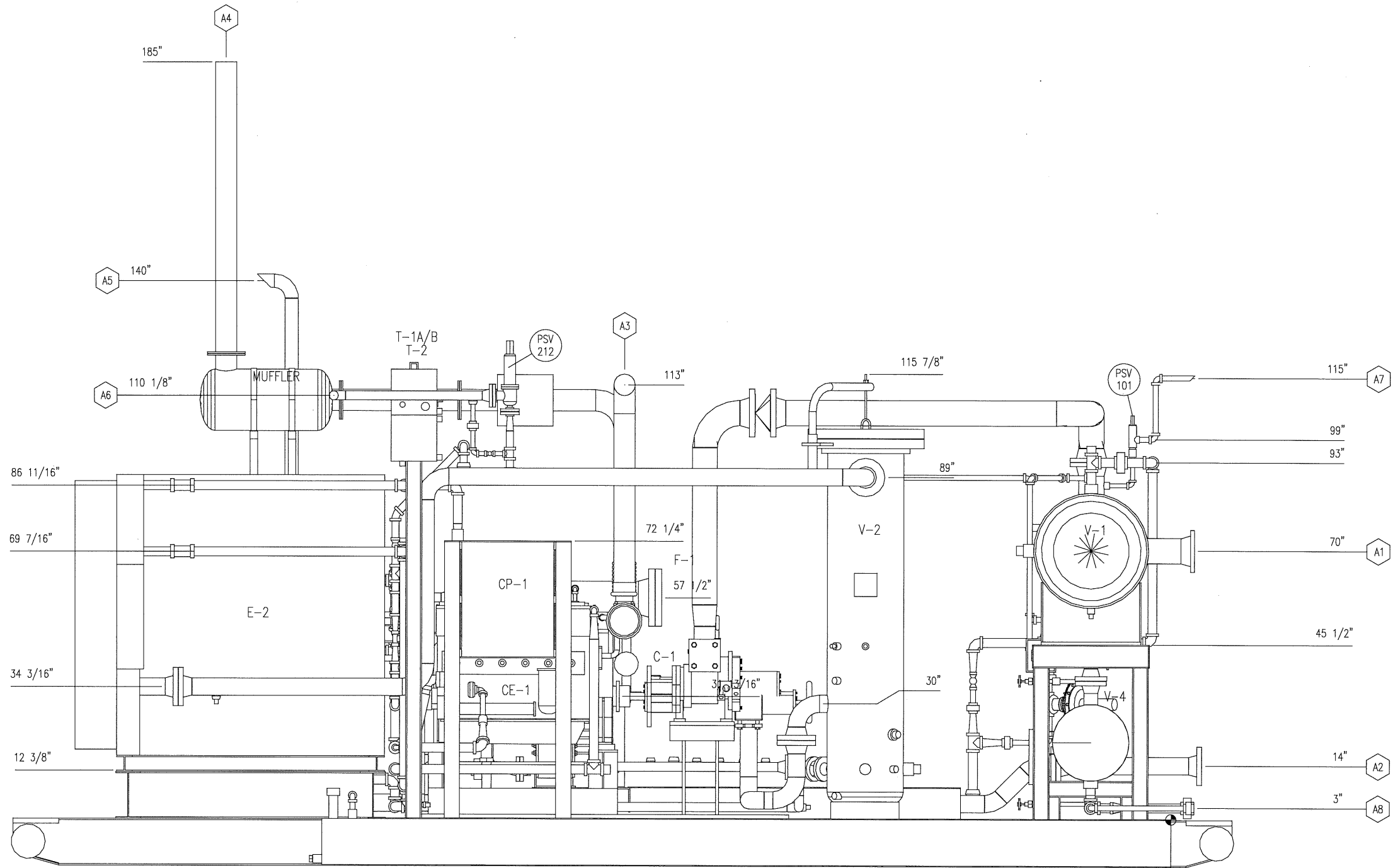
DRAWN BY:
GARTH SAVILLOW
CHKD. BY:
D. STRATHDEE
APPR. BY:
D. STRATHDEE
CUST. PO No:



DATE:
SEPT 11/02
SCALE:
3/4"=1'-0"
W.O. No:
11006201

TITLE:	ELEVATION "A-A"
FOR:	BURLINGTON RESOURCES 200 HP STOCK BOOSTER COMPRESSOR TRAILER MOUNTED
DWG. No:	11006-201
SHEET No:	3 OF 5
REV:	2

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ELEVATION "B-B"

REV.	DESCRIPTION	DATE	BY	APPR.
2	AS BUILT	FEB 11/03	SS	
1	ISSUED FOR CONSTRUCTION	DEC 19/02	GWS	DS

PERMIT TO PRACTICE STAMP

ENGINEER STAMP

TOROMONT

TOROMONT
PROCESS
SYSTEMS

DRAWN BY:
GARTH SAVILLO

DATE:
SEPT 11/02

CHKD. BY:
D. STRATHDEE

SCALE:
3/4"=1'-0"

APPR. BY:
D. STRATHDEE

W.O. No:
11006201

CUST. PO No:

TITLE:
ELEVATIONS "B-B"

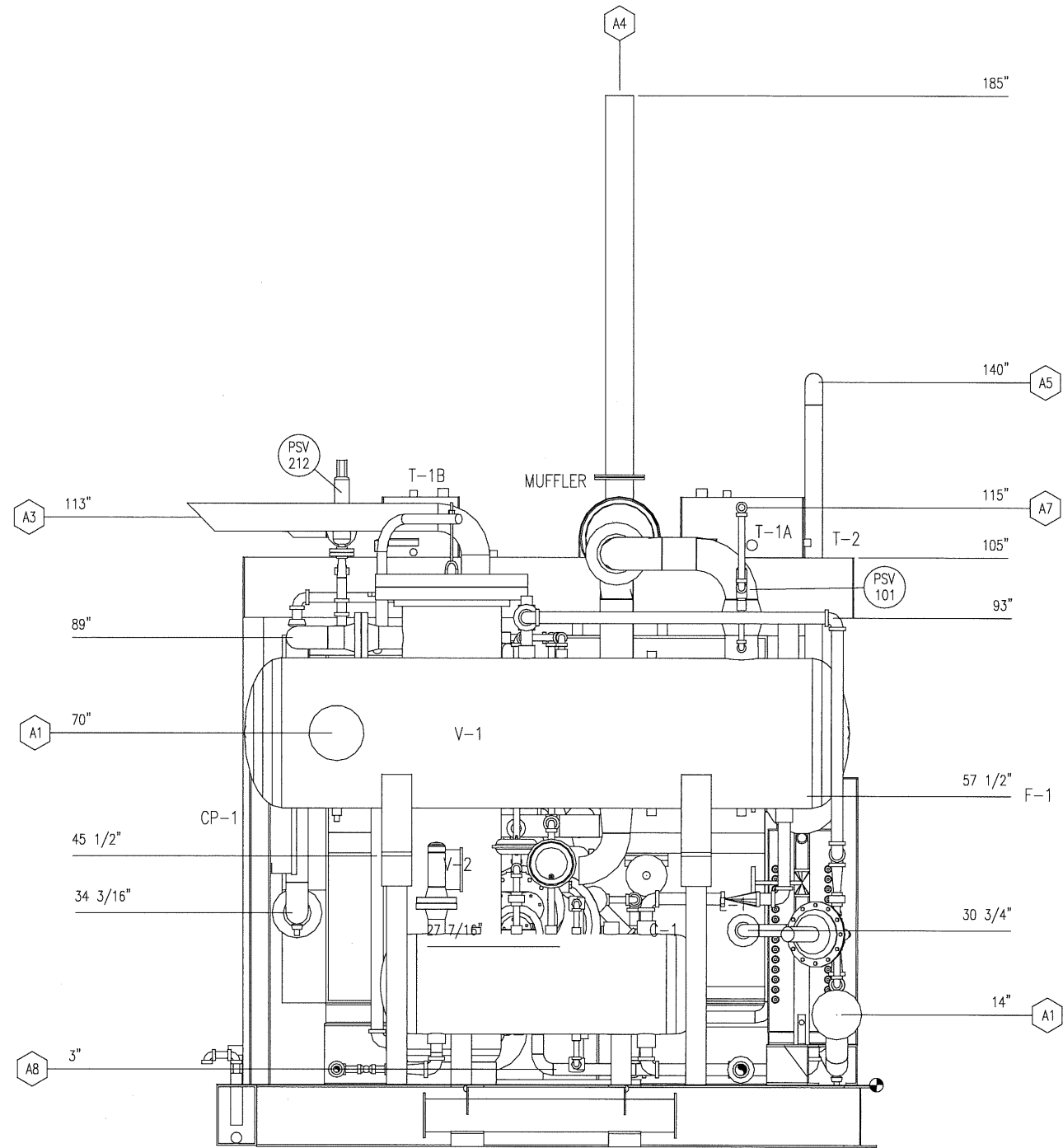
FOR:
BURLINGTON RESOURCES
200 HP STOCK
BOOSTER COMPRESSOR
TRAILER MOUNTED

DWG.
No: 11006-201

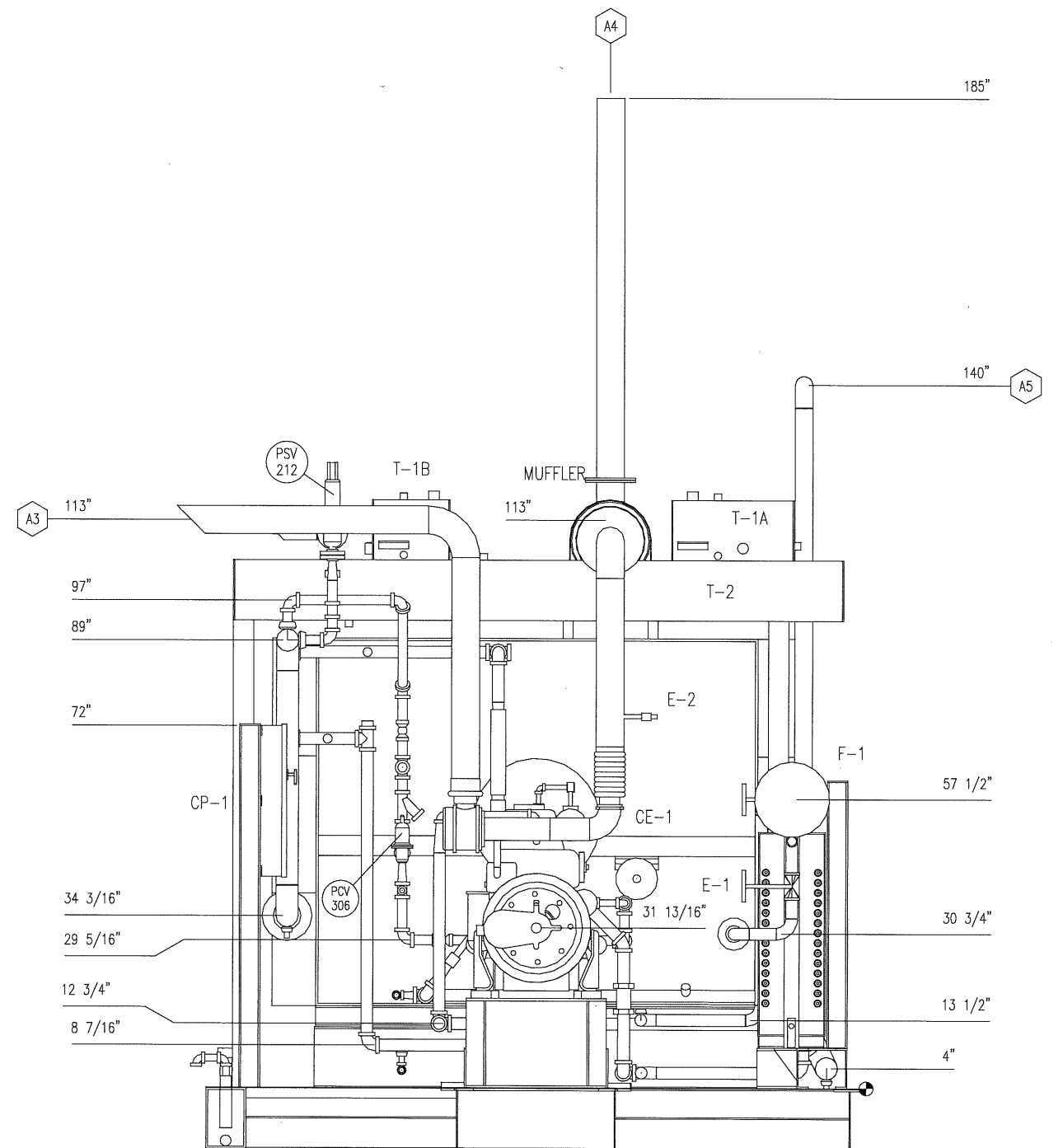
SHEET No:
4 OF 5

REV:
2

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VIEW "C-C"



SECTION "D-D"

REV.	DESCRIPTION	DATE	BY	APPR.
2	AS BUILT	FEB 11/03	SS	
1	ISSUED FOR CONSTRUCTION	DEC 19/02	GWS	DS

PERMIT TO PRACTICE STAMP

ENGINEER STAMP

TOROMONT		TOROMONT PROCESS SYSTEMS		TITLE: VIEWS C-C/D-D	
DRAWN BY: GARTH SAVILLO		DATE: SEPT 11/02		FOR: BURLINGTON RESOURCES	
CHKD. BY: D. STRATHDEE		SCALE: 3/4"=1'-0"		200 HP STOCK	
APPR. BY: D. STRATHDEE		W.O. No: 11006201		BOOSTER COMPRESSOR	
CUST. PO No:		DWG. No: 11006-201		TRAILER MOUNTED	
		SHEET No: 5 OF 5		REV: 2	

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions and a cut out.

Dimensions:

- Overall height: $84 \frac{3}{8}"$
- Overall width: $103 \frac{1}{2}"$
- Distance from top edge to cut out: $36"$
- Distance from left edge to cut out: $100 \frac{1}{2}"$
- Distance from bottom edge to cut out: $19 \frac{7}{8}"$
- Distance from right edge to cut out: $6"$
- Distance from cut out to right edge: $92 \frac{1}{4}"$

Labels:

- CUT OUT
- 113
- 114

Diagram of the main skid showing dimensions and locations for cooler base mounting. The overall width is 70 1/2" and the overall height is 88 3/4". The mounting locations are indicated by circles labeled 111 and 112. The dimensions are given as 205 1/2" (width) and 21 5/8" (height) from the reference point.

SHOP NOTE:
SHOP TO BEAD WELD
JOB NUMBER ON TO
FACE OF ITEM 118

FULL PENETRATION WELD

1/8" TYP

G

3/8" TYP


3/8" TYP

NOTES:

1. FULL PENETRATION WELD ON FLANGE.
2. BACK GOUGE TO SOUND METAL AFTER WELDING SQUARE WELD.
3. USE SMAW (7018 WELDING ROD) ON BOTH SIDES.

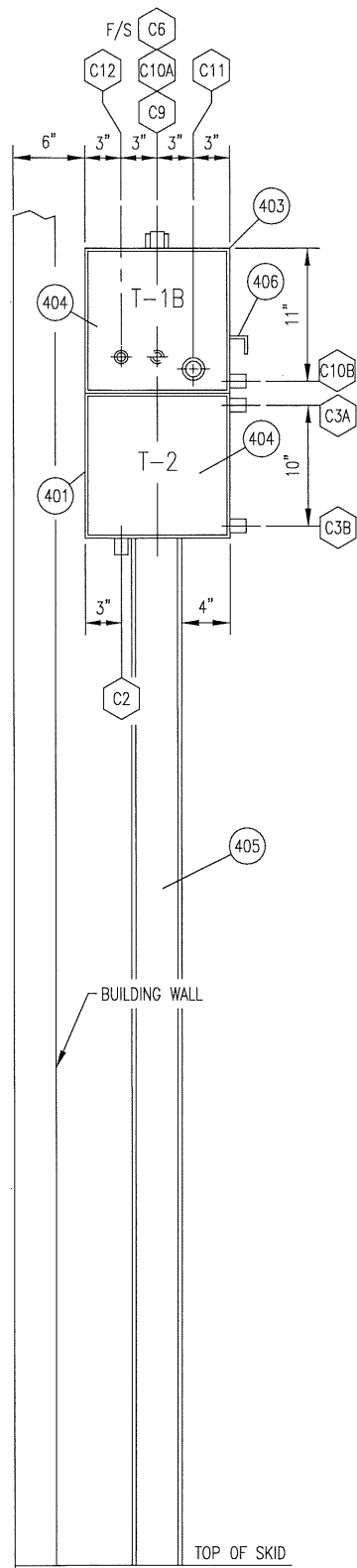
- NOTES:
1. FULL PENETRATION WELD ON FLANGE.
 2. BACK GOUGE TO SOUND METAL AFTER WELDING SQUARE WELD
 3. USE SMAW (7018 WELDING ROD) ON BOTH SIDES.

PERMIT TO PRACTICE STAMP

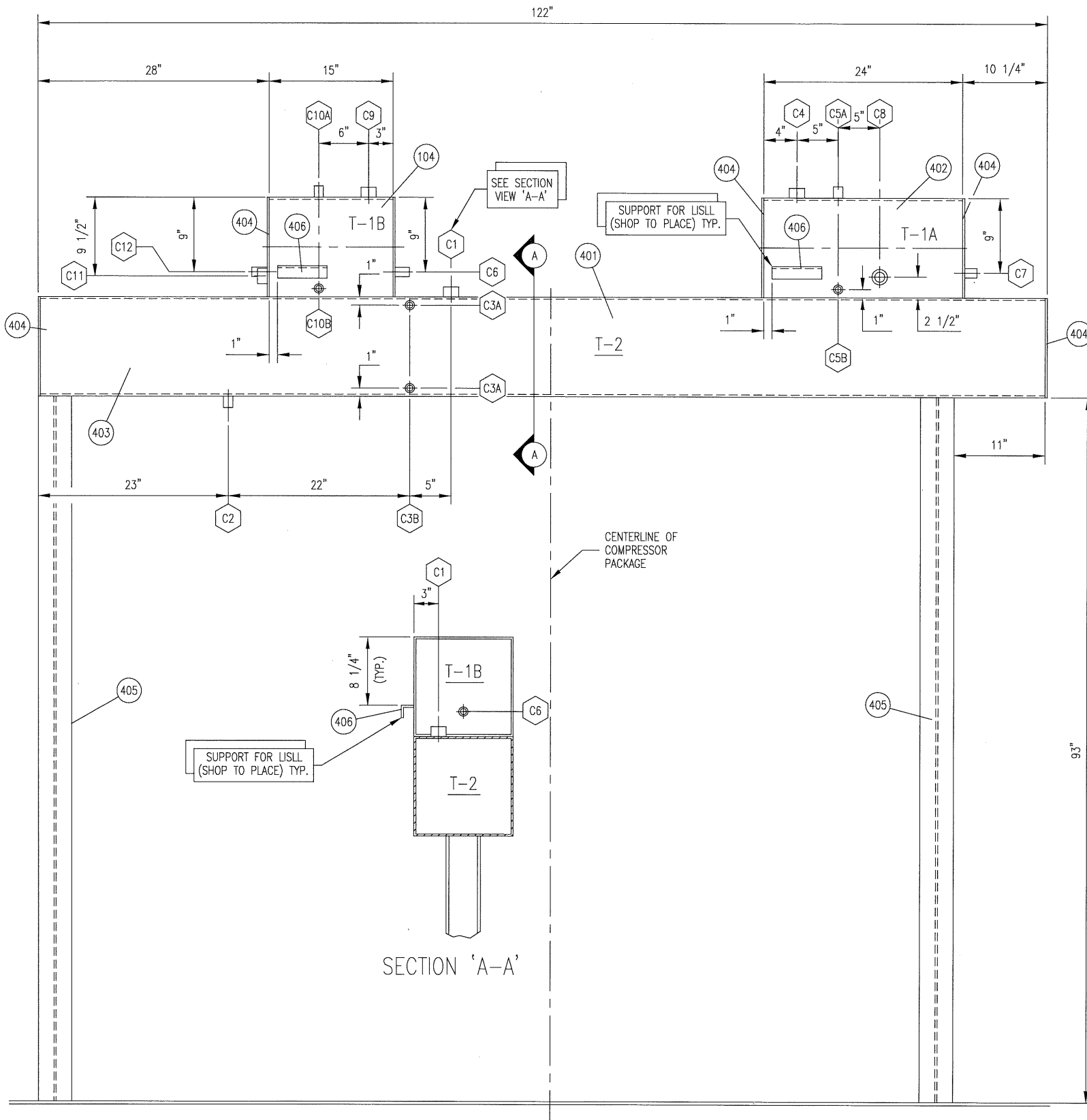
		TITLE: SKID STEEL	
DRAWN BY: GARTH SAVILEW CHKD. BY: D. STRATHDEE APPR. BY: D. STRATHDEE		FOR: BURLINGTON RESOURCES 200 HP BOOSTER COMPRESSOR TRAILER MOUNTED	
DATE: DEC. 19, 2002 SCALE: 1/2" = 1'-0" W.O. No: 11006301		DWG. No: 11006-301 SHEET No: 1 OF 6 REV: 1	
CUST. PO No:			

BILL OF MATERIAL			
ITEM	QTY	DESCRIPTION	MATERIAL
101	1	H.S.S.: 8" X 12" X 0.375" THK X 222" LG	G40.21350W
102	2	W 12 X 26 X 31 9" LG	G40.2150W
103	1	W 12 X 26 X 210" LG	G40.2150W
104	7	W 12 X 26 X 42 1/8" LG	G40.2150W
105	7	W 12 X 26 X 31 1/4" LG	G40.2150W
106	2	W 12 X 26 X 39 3/4" LG	G40.2150W
107	6	W 12 X 26 X 46 3/4" LG	G40.2150W
108	1	PLATE: 3/16" THK 13" X 25" LG	SA-36
109	1	PLATE: 3/8" THK X 7" X 25" LG.	G40.2144W
110	1	W 6 X 15 X 16 5/8" LG	G40.2150W
111	2	W 12 X 26 X 88 3/4" LG	G40.2150W
112	2	W 12 X 26 X 63 3/4" LG	G40.2150W
113	1	CHECKER PLATE: 3/16" THK 48" X 210" LG	SA-36
114	1	CHECKER PLATE: 3/16" THK 84" X 210" LG	SA-36
115	1	PLATE: 3/16" THK 25" X 41" LG	SA-36
116	1	PLATE: 1/2" THK X 16 1/2" X 25" LG	G40.2144W
117	4	PLATE: 3/8" THK X 9" DIA.	G40.2144W
118	2	FLAT BAR: 3/8" THK X 6" X 33 3/4" LG.	G40.2144W
119	2	PLATE: 1/4" THK X 7 1/4" X 11 1/4" LG.	G40.2144W
120	3	COUPLING: 1"-3000# NPT	SA-105
121	1	PLUG: 1"-3000# HEX NPT	SA-105
122	1	PIPE CAP: 2"-3000# NPT	SA-234-WPB
123	1	PIPE: 2" NOM SCH STD WT X 20" LG. (CTS)	SA-106-B
124	2	PIPE: 6" NOM SCH STD WT X 50" LG.	SA-106-B
125	2	PIPE: 1" NOM SCH 80 WT X 6" LG. (C.T.S.)	SA-106-B
126	2	ELBOW: 1"-3000# 90° ELBOW NPT	SA-105
127	2	H.S.S.: 2" X 2" X 1/4" X 42 1/8" LG.	G40.2144W
128	2	H.S.S.: 2" X 2" X 1/4" X 46 3/4" LG.	G40.2144W
129	2	PIPE: 1" NOM SCH 40 X 12" LG. (CUT IN HALF)	SA-106-B
130	1	W 12 X 26 X 15 1/4" LG	G40.2150W
131	2	FLAT BAR: 1" X 1/8" THK X 37 3/4" LG.	G40.2144W
132	2	FLAT BAR: 1" X 1/8" THK X 96 1/2" LG.	G40.2144W
133	1	H.S.S.: 2" X 2" X 1/4" X 31 1/4" LG.	G40.2144W

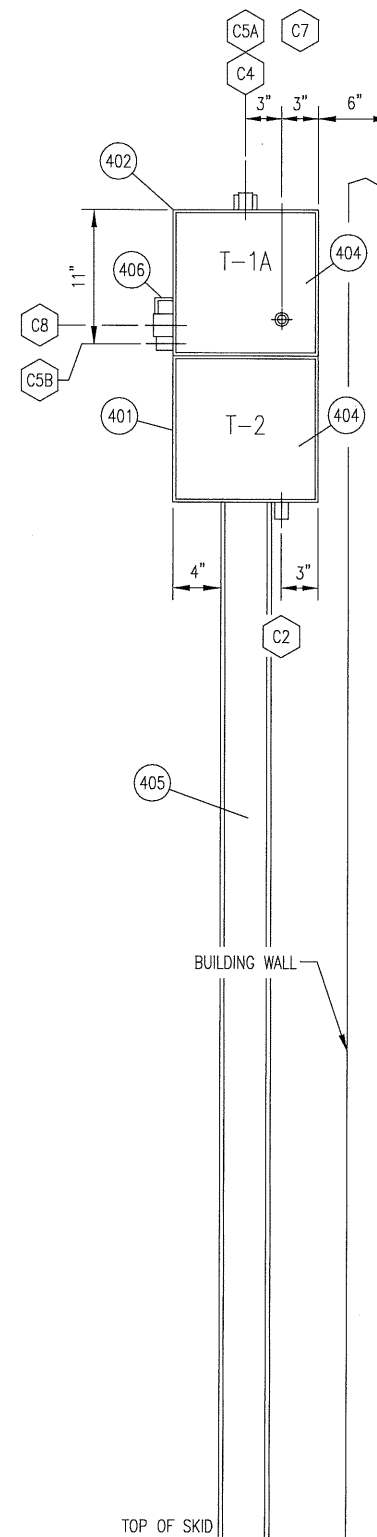
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END VIEW



ELEVATION



END VIEW

BILL OF MATERIAL			
ITEM	QTY	DESCRIPTION	MATERIAL
401	1	H.S.S.: 12" X 12" X 1/4" THK X 121 1/2" LG.	G40.2135OW
402	1	H.S.S.: 12" X 12" X 1/4" THK X 24" LG.	G40.2135OW
403	1	H.S.S.: 12" X 12" X 1/4" THK X 15" LG.	G40.2135OW
404	6	PLATE: 1/4" THK X 12" X 12" LG.	G40.2144W
405	2	W 4 X 13 X 93" LG.	G40.2150W
406	2	ANGLE: 1 1/2" X 1 1/2" X 1/4" THK X 6" LG.	G40.2144W

CONNECTIONS SCHEDULE				
MARK	SERVICE	SIZE	RATING	TYPE
C1	VENT	1/2"	3000#	NPT HALF CPLG
C2	OIL OUTLET	1/2"	3000#	NPT CPLG.
C3A/B	LEVEL GAUGE	1/2"	3000#	NPT CPLG.
C4	VENT (SET VENT CAP @ 7 PSIG)	1"	3000#	NPT HALF CPLG
C5A/B	LISLL	1/2"	3000#	NPT CPLG.
C6	DEGASSING LINE FROM JACKET WATER	1/2"	3000#	NPT CPLG.
C7	DEGASSING LINE TO AIR COOLER	1/2"	3000#	NPT CPLG.
C8	GLYCOL MAKE-UP (T.A.W./C.L.O.W.)	1"	3000#	NPT HALF CPLG
C9	VENT (SET VENT CAP @ 7 PSIG)	1"	3000#	NPT HALF CPLG
C10A/B	LISLL	1/2"	3000#	NPT CPLG.
C11	GLYCOL MAKE-UP (J.W.)	1"	3000#	NPT HALF CPLG
C12	DEGASSING LINE TO AIR COOLER	1/2"	3000#	NPT CPLG.

NOTES:

- SURFACE PREPARATION: SANDBLAST TO SSPC-SP6
PRIMER: ONE COAT OF RED OXIDE PRIMER
(SPEC #PRI-1)

PAINT: ONE COAT OF PLATINUM GREY ENAMEL.
(SPEC #FIN-1)
- WEIGHT (EMPTY): 363 KGS (800 LBS)
WEIGHT (OPERATING): 522 KGS (1150 LBS)
- VOLUME: EJW .031 M3 (1.11 FT3)
TAW/CLOW .051 M3 (1.80 FT3)
OIL DAY TANK 0.26 M3 (9.30 FT3)
- CAPACITY: EJW 8.2 USGAL
TAW/CLOW 13.5 USGAL
OIL DAY TANK 69.6 USGAL
- SERVICE: GLYCOL
OIL
- ALL WELDS TO BE 1/4" FILLETS ALL AROUND, UNLESS OTHERWISE NOTED.
- ALL CUT LENGTHS ARE EXACT TOL. +0.0/-0.125"

REV.	DESCRIPTION	DATE	BY	APPR.
1	ISSUED FOR CONSTRUCTION	DEC 19/02	GWS	

PERMIT TO PRACTICE STAMP

ENGINEER STAMP

TOROMONT PROCESS SYSTEMS		TITLE: OIL/GLYCOL TANKS
DRAWN BY: GARTH SAVILOV CHKD. BY: D. STRATHDEE APPR. BY: D. STRATHDEE CUST. PO No:		DATE: DEC. 19, 2002 SCALE: 1 1/2" = 1'-0" W.O. No: 11006301
FOR: BURLINGTON RESOURCES 200 HP BOOSTER COMPRESSOR TRAILER MOUNTED		DWG. No: 11006-301
		SHEET No: 4 OF 6 REV: 1