



MANDATORY DATA PACKAGE

HUSKY ENERGY

PO#: 4500184872

WO#: 4026205

UNIT # SAA-07165

JOB # I-702

NISKU HEAD OFFICE / MANUFACTURING / SERVICE

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PACKAGE

Data Collected By: _____		Entry Date: _____		Package ID # I-702	
Equipment Class Package		Purchase Order # 4500184872			
Equipment Description: 222 LP SAA-SCROLL SERIES				Tag No. SAA-07165	
Facility: _____					
Location: LSD _____		Sec _____		Twp _____	
		Rge _____		W/ _____	
Cost Center: _____		Acquis Value _____		Acquis Date _____	
Equipment Status: _____		Ownership Status _____			
Manufacturer: PC COMPRESSION INC.		Year Built 2007			
Equipment Condition: _____		Model No. _____		Serial No. _____	
Construction: _____					
Skid Weight: 9600 lbs		Skid Size 8 x 15 x 11 ft		(w x l x h)	
Code					
Common Characteristics					
Design Flow _____		Service sweet			
Compressor / Pump Packages					
Compressor Type Rotary					
Pump Type _____					
Driver _____		# Stages _____			
Inlet ANSI Rating ANSI		Final Discharge ANSI Rating _____		ANSI	
Separator / Dehydrator / Treater / Line Heater / Tank Package					
Orientation: _____		Vessel Diameter _____			
ANSI Rating ANSI		MAWP _____		Internally Coated _____	
Reboiler / Burner Duty _____					
Inlet / Metering & Group Test Packages					
ANSI Rating ANSI		# Inlets _____			
Material Transfer Information					
Transfer Recorded By: _____		Date _____			
From LSD _____		Sec _____		Twp _____	
		Rge _____		W/ _____	
Transfer Yard _____					
To LSD _____		Sec _____		Twp _____	
		Rge _____		W/ _____	
Facility _____		Receiving AFE _____			
Additional Notes					

BUILDINGS AND STRUCTURES

Data Collected By:		Entry Date:		Package ID # I-702
Equipment Class	▼	Purchase Order #	4500184872	
Equipment Description:	222 LP SAA-SCROLL SERIES			Tag No.
Facility:				
Location:	LSD ▼	Sec ▼	Twp ▼	Rge ▼
Cost Center:	Acquis Value		Acquis Date	
Equipment Status:	▼	Ownership Status		▼
Manufacturer:	PC COMPRESSION INC.			Year Built 2007
Equipment Condition:	▼	Model No.	Serial No.	
Construction:	▼			
Skid Weight:		▼	Skid Size	(w x l x h)
Additional Characteristics for Buildings				
Construction Type:	SELF FRAMER			
Building Elec Class	CLASS I DIV II			
Shell:	22 GAUGE	Colour	GALVANIZED	
Humidifier	N ▼	Elevator	N ▼	Air Conditioning N ▼
Foundation Type:	W6 x 15			
Additional Characteristics for Monorails				
Capacity:	Tons / Tonnes			
Additional Characteristics for Bridges				
Type:	▼	Capacity:	▼	Foundation
Width:	▼	Length	▼	Deck
Additional Characteristics for Lift Equipment				
Type:	▼	Width	▼	Height
Wire/Chain Mat. Type:		Hook Type		Lift Capacity
Material Transfer Information				
Transfer Recorded By:				
From	LSD ▼	Sec ▼	Twp ▼	Rge ▼
Transfer Yard				Date
To	LSD ▼	Sec ▼	Twp ▼	Rge ▼
Facility				Receiving AFE
Additional Notes				

Ensure Package ID Number is Identified on ALL Individual Equipment Item Templates



HUSKY ENERGY
PO#: 4500184872 WO#: 4026205
QPS CERTIFIED: QC-36066
JOB # I-702
UNIT # SAA-07165

COMPONENTS

COMPRESSOR ASSEMBLY:

CA-210

MAKE: COPELAND SCROLL
MODEL NO: SZ022C3A-EDE-234
INLET PRESS: 2" W.C. /MAX 10 PSIG
DISCHARGE PRESS SETTING: 215 PSIG
275VAC / 3 PH / 60 Hz
PEAK OPERATING AMPS: 16
SERIAL NO: 07DA3042
QPS CERTIFIED: QCC-21386

COMPRESSOR:

C-210

MAKE: COPELAND SCROLL
MODEL NO: ZNH22C3A-TXX-265
INLET PRESS: MIN 15 PSIA / MAX 65 PSIA
MAX DISCHARGE PRESS: 450 PSIA
275VAC / 3 PH / 60 Hz
PEAK OPERATING AMPS: 16.3
RPM: 3500
SERIAL NO: 07CA9093D

COMPRESSOR OIL FILTER:

F-210

MAKE: COPELAND SCROLL
PART NO: 513-0019-01

COMPRESSOR OIL SEPARATOR:

V-210

MAKE: COPELAND SCROLL
PART NO: 548-1897-02
RATED PRESSURE: 250 PSIG

COMPRESSOR COOLER:

E-210

MAKE: SUPER RADIATOR COILS
CRN: OH6358.2
CRN: OH0741.3



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QPS CERTIFIED: QC-36066
JOB # I-702
UNIT # SAA-07165

COMPONENTS CONTINUED

COOLER FAN MOTOR:

M-210
MAKE: EBM
MODEL NO: W1G250-HH37-52
24 VDC

COMPRESSOR ASSEMBLY:

CA-220
MAKE: COPELAND SCROLL
MODEL NO: SZ022C3A-EDE-234
INLET PRESS: 2" W.C. /MAX 10 PSIG
DISCHARGE PRESS SETTING: 215 PSIG
275VAC / 3 PH / 60 Hz
PEAK OPERATING AMPS: 16
SERIAL NO: 07DA3045
QPS CERTIFIED: QCC-21391

COMPRESSOR:

C-220
MAKE: COPELAND SCROLL
MODEL NO: ZNH22C3A-TXX-265
INLET PRESS: MIN 15 PSIA / MAX 65 PSIA
MAX DISCHARGE PRESS: 450 PSIA
275VAC / 3 PH / 60 Hz
PEAK OPERATING AMPS: 16.3
RPM: 3500
SERIAL NO: 07CA9076D

COMPRESSOR OIL FILTER:

F-220
MAKE: COPELAND SCROLL
PART NO: 513-0019-01

COMPRESSOR OIL SEPARATOR:

V-220
MAKE: COPELAND SCROLL
PART NO: 548-1897-02
RATED PRESSURE: 250 PSIG



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COMPONENTS CONTINUED

COMPRESSOR COOLER:

E-220

MAKE: SUPER RADIATOR COILS
CRN: OH6358.2
CRN: OH0741.3

COOLER FAN MOTOR:

M-220

MAKE: EBM
MODEL NO: W1G250-HH37-52
24 VDC

INLET SEPARATOR:

V-110

MAKE: LO TECH MANUFACTURING
YEAR BUILT: 2007
MAWP: 600 PSI @ 650°F
MDMT: -20°F @ 600 PSI
CORROSION ALLOWANCE: .0625"
CRN NO: OH5415.21345
SERIAL NO: 8600.350

PUMP:

P-610

MAKE: SANDPIPER
MODEL NO: PCC1, GABTXNSX
MWP: 100 PSI
45 GPM @ 40 SCFM
SERIAL NO: 1517875

DISCHARGE SCRUBBER:

V-120

MAKE: LO TECH MANUFACTURING
YEAR BUILT: 2006
MAWP: 600 PSI @ 650°F
MDMT: -20°F @ 600 PSI
CORROSION ALLOWANCE: .0625"
CRN NO: OH5415.21345
SERIAL NO: 8600.211



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COMPONENTS CONTINUED

AIR COOLED EXCHANGER:

E-510

MAKE: GLOBAL HEAT TRANSFER
MODEL: GHT-450 SC
MAWP: 402 PSI @ 250°F
CRN NO: OH7426.213
SERIAL NO: 0512033039

COOLER FAN MOTOR:

D-510

MAKE: EBM
MODEL NO: W1G250-HH37-52
24 VDC
QPS CERTIFIED: QCC-40364

FILTERS:

F-810 / F-820

MAKE: FLAIR
MAWP: 232 PSI @ 149°F
FILTER MODEL NO: HF 90
ELEMENT MODEL NO: HFD 90
CRN NO: OH5142.51263
C/W DIFFERENTIAL PRESSURE GAUGE

RIGHT DRYING TOWER:

V-140

MAKE: LO TECH MANUFACTURING
YEAR BUILT: 2007
MAWP: 600 PSI @ 650°F
MDMT: -20°F @ 550 PSI
CORROSION ALLOWANCE: .0625"
CRN NO: OH5415.21345
SERIAL NO: 8600.336
C/w ACTIVATED ALUMINA STRAINERS
MAKE: CROWN WEST
PART NO: STRAINERAA
LOT NO: CWC544862A



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COMPONENTS CONTINUED

LEFT DRYING TOWER:

V-130

MAKE: LO TECH MANUFACTURING
YEAR BUILT: 2007
MAWP: 600 PSI @ 650°F
MDMT: -20°F @ 550 PSI
CORROSION ALLOWANCE: .0625"
CRN NO: OH5415.21345
SERIAL NO: 8600.341
C/w ACTIVATED ALUMINA STRAINERS
MAKE: CROWN WEST
PART NO: STRAINERAA
LOT NO: CWC544862A

METER RUN:

FE-1401

MAKE: NUFLO
ASSEMBLY NO: 40422-0085
CRN NO: OF1120.213
SERIAL NO: X701397-1-10

HEATER:

H-410

MAKE: CATA-DYNE
MODEL NO: MKII 2424
120 V START
SERIAL NO: 343810

PSV'S:

PSV-1101 PRESSURE SAFETY VALVE

MAKE: MERCER
MODEL NO: 91-17D51V06E1
CRN NO: OG8841.5C
SCFM: 228
SET PRESSURE: 100 PSI
SERIAL NO: 219206

PSV-1201 PRESSURE SAFETY VALVE

MAKE: MERCER
MODEL NO: 91-17D51V07E1
CRN NO: OG8841.5C
SCFM: 329
SET PRESSURE: 150PSI
SERIAL NO: C000127



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COMPONENTS CONTINUED

PSV-1401 PRESSURE SAFETY VALVE (SHIP LOOSE)

MAKE: MERCER
MODEL NO: 91-17D51V06E1
CRN NO: OG8841.5C
SCFM: 188
SET PRESSURE: 80 PSI
SERIAL NO: C000146

PSV-2101 PRESSURE SAFETY VALVE

MAKE: MERCER
MODEL NO: 91-17D51V07E1
CRN NO: OG8841.5C
SCFM: 329
SET PRESSURE: 150PSI
SERIAL NO: 313673

CONTROL VALVES:

LC-1101 LEVEL CONTROLLER

MAKE: MURPHY
MODEL NO: L1200 NDVO

LCV-1201 LEVEL CONTROL VALVE

MAKE: WATSON McDANIEL
MODEL NO: PMD 1810-400
SERIES: WLD-1800
MAWP: 600 PSIG @ 500°F
CRN: OE3324.52

PRV-1101 PRESSURE CONTROL VALVE

MAKE: FISHER
MODEL NO: 289H-42
SPRING RANGE: 4-15 PSI

PCV-1201 PRESSURE CONTROL VALVE

MAKE: KIMRAY
MODEL NO: 1.2 SGT OPR
MAWP: 175 PSI / SPRING RANGE 2.5 PSI



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COMPONENTS CONTINUED

BPCV-2101 BACK PRESSURE CONTROL VALVE

MAKE: KIMRAY
MODEL NO: 212 SGT BP
OPERATING PRESSURE: 125 PSI
DESIGN PRESSURE: 175 PSI

ACV-1401 AIR CONTROL VALVE FAIL OPEN

MAKE: BURKERT
NPT 1" PMED 232 PSI
PILOT 29 -145 PSI
PART NO: 454614

ACV-1301 AIR CONTROL VALVE FAIL CLOSE

MAKE: BURKERT
NPT 1" PMED 232 PSI
PILOT 27 -145 PSI
PART NO: 454628

ACV-1302 / ACV-1402 AIR CONTROL VALVE FAIL CLOSE

MAKE: BURKERT
NPT ½" PMED 232 PSI
PILOT 39 -145 PSI
PART NO: 454626

PCV-1301 PRESSURE CONTROL VALVE

MAKE: FISHER
MODEL: 67 CFR-362 SC
SPRING RANGE: 0-35 PSI
MAX SUPPLY: 250 PSI



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COMPONENTS CONTINUED

BPCV-1401 BACK PRESSURE CONTROL VALVE

MAKE: KIMRAY
MODEL NO: 212 SGT BP
OPERATING PRESSURE: 125 PSI
DESIGN PRESSURE: 175 PSI

PCV-1403 PRESSURE CONTROL VALVE

MAKE: FISHER
MODEL: 627-496 C/W ½" ORIFICE
SPRING RANGE: 5-20 PSI

PCV-1402 PRESSURE CONTROL VALVE

MAKE: FISHER 2"
MODEL NO: 627-579 ½" ORIFICE
SPRING RANGE: 70-150 PSI

PCV-2101 / PCV-2201 PRESSURE CONTROL VALVE

MAKE: FISHER
TYPE: 98 H
MAX. INLET: 175 @ 150°F
SPRING RANGE: 35-100 PSI

TCV-2101 / TCV-2201 TEMPERATURE CONTROL VALVE

MAKE: ROSTRA VERNATHERM
MODEL: 0230-08-00/200

PCV-4101 PRESSURE CONTROL VALVE

MAKE: FISHER
MODEL NO: 912

PCV-4102 PRESSURE CONTROL VALVE

MAKE: CCI THERMAL
MODEL: RTZ-11-15B

TCV-4101 TEMPERATURE CONTROL VALVE

MAKE: CCI THERMAL
MODEL NO: AC-TC-8000N-7



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COMPONENTS CONTINUED

ESDV-4101 100% SHUT OFF VALVE

MAKE: CCI THERMAL
MODEL NO: ASV-375
MAX PRESSURE: ½ PSI

UY-1101 PUMP ACTUATING SWITCH

MAKE: AMOT CONTROLS
TYPE: CG
MODEL NO.: 4057D031H2

ELECTRICAL:

LSH-1101 LEVEL SWITCH HIGH

MAKE: MURPHY
MODEL NO: L1200
MAWP: 2000 PSI

PT-1101 PRESSURE TRANSMITTER

MAKE: WIKA
MODEL NO: N-10
RANGE: 0-15 PSI / 4-20 MA

PT-1401 PRESSURE TRANSMITTER

MAKE: WIKA
MODEL NO: N-10
RANGE: 0-200 PSI / 4-20 MA

GY-1401 SOLENOID

MAKE: ASCO
MODEL NO: EF8320G202 24V
MAWP: 115 PSI

GY-1301 / GY-1302 SOLENOID

MAKE: ASCO
MODEL NO: EF8320G202 24V
MAWP: 115 PSI



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COMPONENTS CONTINUED

FT-1401 FLO TRANSMITTER

MAKE: FISHER
TYPE: FLOBOSS 103
MODEL NO: 0205E2DABA1N00
INPUT VOLT: 8-28 VDC
POWER: 18-WATTS MAX
TEMP. RANGE: -40 TO +75°C
TYPE 4 ENCLOSURE
SERIAL NO: 17424876

PSL-2101 / PSL-2201 PRESSURE SWITCH LOW SUCTION

MAKE: CUSTOM CONTROL SENSORS
MODEL NO: 675GE8001
SET @ 2" WC FALLING

PSH-2101 / PSH-2201 PRESSURE SWITCH HIGH DISCHARGE

MAKE: CUSTOM CONTROL SENSORS
MODEL NO: 6900GE18
SET @ 145 PSI RISING

TSH-2101 / TSH-2201 HIGH TEMPERATURE SHUT DOWN

MAKE: CUSTOM CONTROL SENSORS
MODEL NO: 6900TE16
SET @ 240°F RISING

PANEL ELECTRICAL:

SCROLL VFD PANEL

MAKE: PYRAMID CORPORATION
MODEL: SCROLL COMPRESSOR VFD
PANEL
DATE: 04/20/07
CSA APPROVAL: LR29807
AMPS: 20/5/30
VOLTS: 480 VAC / 120 VAC / 24 VDC
FREQ: 60 HZ
PHASE: 3
SERIAL NO: A131-7878



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COMPONENTS CONTINUED

VFD CONTROLLERS

MAKE: CONTROL TECHNIQUES
MODEL: COMMANDER SE
MODEL NO: SE33400750-SE11T-10HP
VDF 1 SERIAL NO: 2065100632
VDF 2 SERIAL NO: 2064000661

PLC

MAKE: ALLEN-BRADLEY
MODEL: MICRO LOGIX 1200
CAT. NO.: 1762-IF20F2 AD1.2

POWER SUPPLY

MAKE: PHOENIX CONTACT
MODEL: QUINT-PS-3X400-500AC/24DC/30
PART NO: 120267.8
ORDER NO: 2938633
SERIAL NO: PSB5488427

TRANSFORMER

MAKE: SIEMENS
CAT NO: MT0500A
c/w 5A FUSE

THERMISTAT

MAKE: HOFFMAN
PART NO: 35347001

HEATER

MAKE: DBK
MODEL NO: FGC1031.2
CIRRUS 41F100AAE

480 VAC POWER SUPPLY INTERFACE

MAKE: FERRAZ SHAWMUT
CAT NO: FSPDB3A



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COMPONENTS CONTINUED

24V FUSIBLE LINKS

MAKE: FERRAZ SHAWMUT
SERIES: ULTRA SAFE
CAT NO.: USM1 Y213944

PANEL COOLING FANS

MAKE: MECHATRONICS INC.
MODEL: G1225E24B

HMI PANEL

MAKE: PYRAMID CORPORATION
MODEL: 24 VDC, 8 AMPS
QPS CERTIFIED: QCC-24915

OPERATOR CONTROL PANEL

MAKE: ALLEN-BRADLEY
MODEL: PANEL VIEW 300 MICRO
CAT. NO.: 2711-M3A18L1

ESD BUTTON

MAKE: ALLEN BRADLEY
CAT. NO.: 800T-FX6D4; 800T-XD2P

PRESSURE GAUGES & TEMPERATURE INDICATORS:

PI-1101 PRESSURE INDICATOR

MAKE: WIKA SS LF
SCALE: 0-30 PSI / 0-205 KPA
SIZE: 1/4" LM X 2 1/2" FACE

PI-1102 PRESSURE INDICATOR

MAKE: WIKA SS LF
SCALE: 0-30 PSI / 0-205 KPA
SIZE: 1/4" LM X 2 1/2" FACE

PI-1201 PRESSURE INDICATOR

MAKE: WIKA SS LF
SCALE: 0-160 PSI / 0-1100 KPA
SIZE: 1/4" LM X 2 1/2" FACE



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COMPONENTS CONTINUED

PI-1301 / PI-1401 PRESSURE INDICATOR

MAKE: WIKA SS LF
SCALE: 0-160 PSI / 0-1100 KPA
SIZE: 1/4" LM X 2 1/2" FACE

PI-1202 PRESSURE INDICATOR

MAKE: WIKA
SCALE: -30" HG - 15 PSI
SIZE: 1/4" LM X 2" FACE

PI-2103 PRESSURE INDICATOR

MAKE: KIMRAY
SCALE: 0-160 PSI / 0-1120 KPA
SIZE: 1/4" LM X 2" FACE

PI-1402 PRESSURE INDICATOR

MAKE: KIMRAY
SCALE: 0-160 PSI / 0-1100 KPA
SIZE: 1/4" LM X 2" FACE

PI-1405 PRESSURE INDICATOR

MAKE: WIKA SS LF
SCALE: 0-30 PSI / 0-205 KPA
SIZE: 1/4" LM X 2 1/2" FACE

PI-1404 PRESSURE INDICATOR

MAKE: WIKA SS LF
SCALE: 0-160 PSI / 0-1100 KPA
SIZE: 1/4" LM X 2 1/2" FACE

PI-1403 PRESSURE INDICATOR

MAKE: WIKA SS LF
SCALE: 0-160 PSI / 0-1100 KPA
SIZE: 1/4" LM X 2 1/2" FACE

PI-2101 / PI-2201 PRESSURE INDICATOR

MAKE: SWAGELOK SS LF
SCALE: 0-200 PSI / 0-13.5 BAR
SIZE: 1/4" LM X 2 1/2" FACE



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COMPONENTS CONTINUED

PI-2102 / PI-2202 PRESSURE INDICATOR

MAKE: SWAGELOK
SCALE: 0-200 PSI / 0-13.5 BAR
SIZE: 1/4" LM X 2 1/2" FACE

TI-1301 / TI-1401 TEMPERATURE INDICATOR

MAKE: TREND (a Division of Wika)
SCALE: -40 TO 160°F / -40 TO 70°C
SIZE: 1/2" CBM X 3" FACE X 6" STEM

TW-1301 / TW-1401 THERMOWELL

MAKE: WIKA
Size: 1" x 1/2" x 6" STEM x STD BORE
Material: 316 SS

MISC:

LG-1101 / LG-1201 LEVEL GAUGE

MAKE: PENBERTHY
MODEL NO: 1RL-4
ASSEMBLY NO: 70003-000
CRN NO: OF0990.9C

GV-1101 & GV-1102 / GV-1201 & GV-1202 GAUGE VALVES

MAKE: PENBERTHY
MODEL NO: 330 J
CRN NO: OF0990.9C

SG-1301 / SG-1401 SIGHT GLASS

MAKE: LUBE DEVICES INC.
MODEL NO: LSP51-09



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COMPONENTS CONTINUED

VALVES:

2" FP SS BALL VALVE
MAKE: MA STEWART
MODEL: G-2
2000-PSI WOG
CRN: OC0374.123456789
HEAT CODE: 0906

2" FP SWING CHECK VALVE
MAKE: WHEATLEY
1000-PSI WOG

1" FP SS BALL VALVE
MAKE: MA STEWART
MODEL: G-2
2000-PSI WOG
CRN: OC0374.123456789
HEAT CODE: 1206, 1006

1" FP SWING CHECK VALVE
MAKE: WHEATLEY
2000-PSI WOG

1" FP INLINE SPRING CHECK VALVE
MAKE: ZINGA
MODEL: LRV-10-20

½" FP SS BALL VALVE
MAKE: MA STEWART
MODEL: G-2
2000-PSI WOG
CRN: OC0374.123456789
HEAT CODE: 0206

½" SWING CHECK VALVE
MAKE: WHEATLEY
2160-PSI WOG



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COMPONENTS CONTINUED

1/2" F X F NEEDLE VALVE
MAKE: ANDERSON GREENWOOD
MODEL: H1VDC4Q-021263-005
MAWP: 6000-PSI @ 200°F
HEAT CODE: C700

3/8" FP SS BALL VALVE
MAKE: MA STEWART
MODEL: G-2
2000-PSI WOG
CRN: OC0374.123456789
HEAT CODE: 1006

3/8" RP SS BALL VALVE
MAKE: W & F
MODEL: MH 27906

1/4" F X F NEEDLE VALVE
MAKE: ANDERSON GREENWOOD
MODEL: H5RDC-2
MAWP: 6000-PSI @ 200°F

1/4" M X F NEEDLE VALVE
MAKE: ANDERSON GREENWOOD
MODEL: H5RDC-22
MAWP: 6000-PSI @ 200°F

RO-1301
UNION MOUNTED RESTRICTION ORIFICE
1/2" OD x 1/16" BORE



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COMPONENTS CONTINUED

STUDS: SA-193, B7M

SIZE: ½" X 3"

½" X 2 ½"

NUTS: SA-194, 2HM

SIZE: ½"

GASKETS: 316SS

SIZE: 1" 150# RF

TUBING: ½" X 0.035 WALL

HEAT CODE: 4507046

3/8" X 0.035 WALL

HEAT CODE: 672-1336

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JOB # I-702

UNIT # SAA-07165

FITTINGS:

DESCRIPTION:	GRADE:	HEAT NO:
2" FS THRD UNION 3000	SA-105N	LLAL
2" FS THRD 90° ELL 2000	SA-105N	NDDF
2" FS THRD TEE 2000	SA-105N	NRBR
2" X 1" FS THRD RED TEE 3000	SA-105N	56788, FGB
2" X 8" XS NIPPLE	SA-106B	IB5789, AI88
2" X 7" XS NIPPLE	SA-106B	AI77
2" X 6" XS NIPPLE	SA-106B	IB5799
2" X 5 1/2" XS NIPPLE	SA-106B	AH73
2" X 5" XS NIPPLE	SA-106B	IB5800
2" X 4" XS NIPPLE	SA-106B	IB5763
2" X 3" XS NIPPLE	SA-106B	AH73
2" X 2 1/2" XS NIPPLE	SA-106B	AI77
2" X 1 1/2" XS SWAGE TBE	SA234-WPB	AILL
2" X 1" XS SWAGE TBE	SA234-WPB	AIFZ
2" X 1/4" XS SWAGE TBE	SA234-WPB	K1196
2" FS THRD PLUG	SA-105N	ECX
1 1/2" FS THRD 90° ELL 2000	SA-105N	FUSU, 997
1 1/2" X 1/2" FS THRD RED TEE 3000	SA-105N	56980
1 1/2" X 4" XS NIPPLE	SA-106B	AI91
1 1/2" X 3" XS NIPPLE	SA-106B	AH81
1 1/2" X 2" XS NIPPLE	SA-106B	PZP
1" 150# RF BLIND FLANGE	SA-105N	9447, 7C15
1" 150# RF THRD FLANGE	SA-105N	9447, 9336
1" FS THRD UNION 3000	SA-105N	UU2, UU
1" FS THRD 90° ELL 2000	SA-105N	GU9, A34, NDCL, A46, DSL
1" FS THRD TEE 2000	SA-105N	2453
1" X 1/2" FS THRD RED TEE 3000	SA-105N	2455
1" FS THRD CROSS 2000	SA-105N	NNRT



HUSKY ENERGY
PO#: 4500184872 WO#: 4026205
QPS CERTIFIED: QC-36066
JOB # I-702
UNIT # SAA-07165

FITTINGS CONTINUED:

DESCRIPTION:	GRADE:	HEAT NO:
1" X 8" XS NIPPLE	SA-106B	R4D, AH75
1" X 7" XS NIPPLE	SA-106B	R4D
1" X 6" XS NIPPLE	SA-106B	AI92, AH75
1" X 5 1/2" XS NIPPLE	SA-106B	S3T
1" X 5" XS NIPPLE	SA-106B	AH75, AI12
1" X 4 1/2" XS NIPPLE	SA-106B	R4D
1" X 4" XS NIPPLE	SA-106B	Y607-1216, AI12, 9PO, AI92, QX8
1" X 3 1/2" XS NIPPLE	SA-106B	FB5650, 92V
1" X 3" XS NIPPLE	SA-106B	R4D
1" X 2 1/2" XS NIPPLE	SA-106B	88T
1" X 2" XS NIPPLE	SA-106B	AH75, S3T
1" X 3/4" XS SWAGE TBE	SA234-WPB	AIFP
1" X 1/2" XS SWAGE TBE	SA234-WPB	AIDK
1" X 1/4" XS SWAGE TBE	SA234-WPB	AIEE, ABAG, AIFP, AFQZ
1" FS THRD PLUG	SA-105N	N59
3/4" FS THRD 90° ELL 2000	SA-105N	G30
3/4" X 4" XS NIPPLE	SA-106B	RB7
3/4" X 2" XS NIPPLE	SA-106B	AH76
3/4" FS THRD PLUG	SA-105N	N20
1/2" FS THRD UNION 3000	SA-105N	UE9
1/2" FS THRD 90° ELL 2000	SA-105N	NBAL
1/2" FS THRD TEE 2000	SA-105N	NLSR
1/2" X 8" XS NIPPLE	SA-106B	AI90
1/2" X 6" XS NIPPLE	SA-106B	NDL
1/2" X 4 1/2" XS NIPPLE	SA-106B	AG88
1/2" X 4" XS NIPPLE	SA-106B	AI90
1/2" X 3 1/2" XS NIPPLE	SA-106B	AI90
1/2" X 3" XS NIPPLE	SA-106B	55175, PZR
1/2" X 2 1/2" XS NIPPLE	SA-106B	AH16
1/2" X 2" XS NIPPLE	SA-106B	NDL
1/2" X 1 1/2" XS NIPPLE	SA-106B	S3R
1/2" X 3/8" XS SWAGE	SA234-WPB	AHQE
1/2" FS THRD PLUG	SA-105N	LBTT



HUSKY ENERGY
PO#: 4500184872 WO#: 4026205
QPS CERTIFIED: QC-36066
JOB # I-702
UNIT # SAA-07165

FITTINGS CONTINUED:

DESCRIPTION:	GRADE:	HEAT NO:
3/8" FS THRD TEE 2000	SA-105N	DCXX
3/8" X 4" XS NIPPLE	SA-106B	AI17
3/8" X 1 1/2" XS NIPPLE	SA-106B	AJ13
3/8" X 1/4" XS SWAGE TBE	SA234-WPB	AICX
3/8" FS THRD PLUG	SA-105N	3361
1/4" FS THRD 90° ELL 2000	SA-105N	FRBS
1/4" FS THRD TEE 3000	SA-105N	NCNL
1/4" FS THRD CROSS 3000	SA-105N	56275, 55994
1/4" X 2" XS NIPPLE	SA-106B	AH68
1/4" X 1 1/2" XS NIPPLE	SA-106B	Q5F
1/4" FS THRD PLUG	SA-105N	B
PIPE:		
2" SCH 80 SMLS PIPE	SA-106B	2-CB
1" SCH 80 SMLS PIPE	SA-106B	1-KV, 1-KX, 1-KY, 1-KZ
1/2" SCH 80 SMLS PIPE	SA-106B	.5-M



HUSKY ENERGY

PO#: 4500184872 WO#: 4026205

QPS CERTIFIED: QC-36066

JOB # I-702

UNIT # SAA-07165

MECHANICAL INFORMATION

COMPRESSOR OIL

COPELAND FUEL GAS BOOSTER OIL

CP-6006 SERIES

POLYALPHAOLEFIN

SYNTHETIC HYDROCARBON

SUPPLIED BY COPELAND SCROLL

DRYING TOWER MEDIA

ALCOA INDUSTRIAL CHEMICALS

ACTIVATED ALUMINA (ALL GRADES) SOLID F-200

ALUMINUM OXIDE

SUPPLIED BY BRENNTAG STINNES LOGISTICS

P:\PC Compression\Drafting\Work-Internal\1-702 SAA-07165 SAA-222-LP Husky AB\A-PID-SAA07165 AB.dwg, Model: 5/28/2007 7:38:37 AM, scottcp, This drawing is the Property of PC Compression Inc. It may not be duplicated

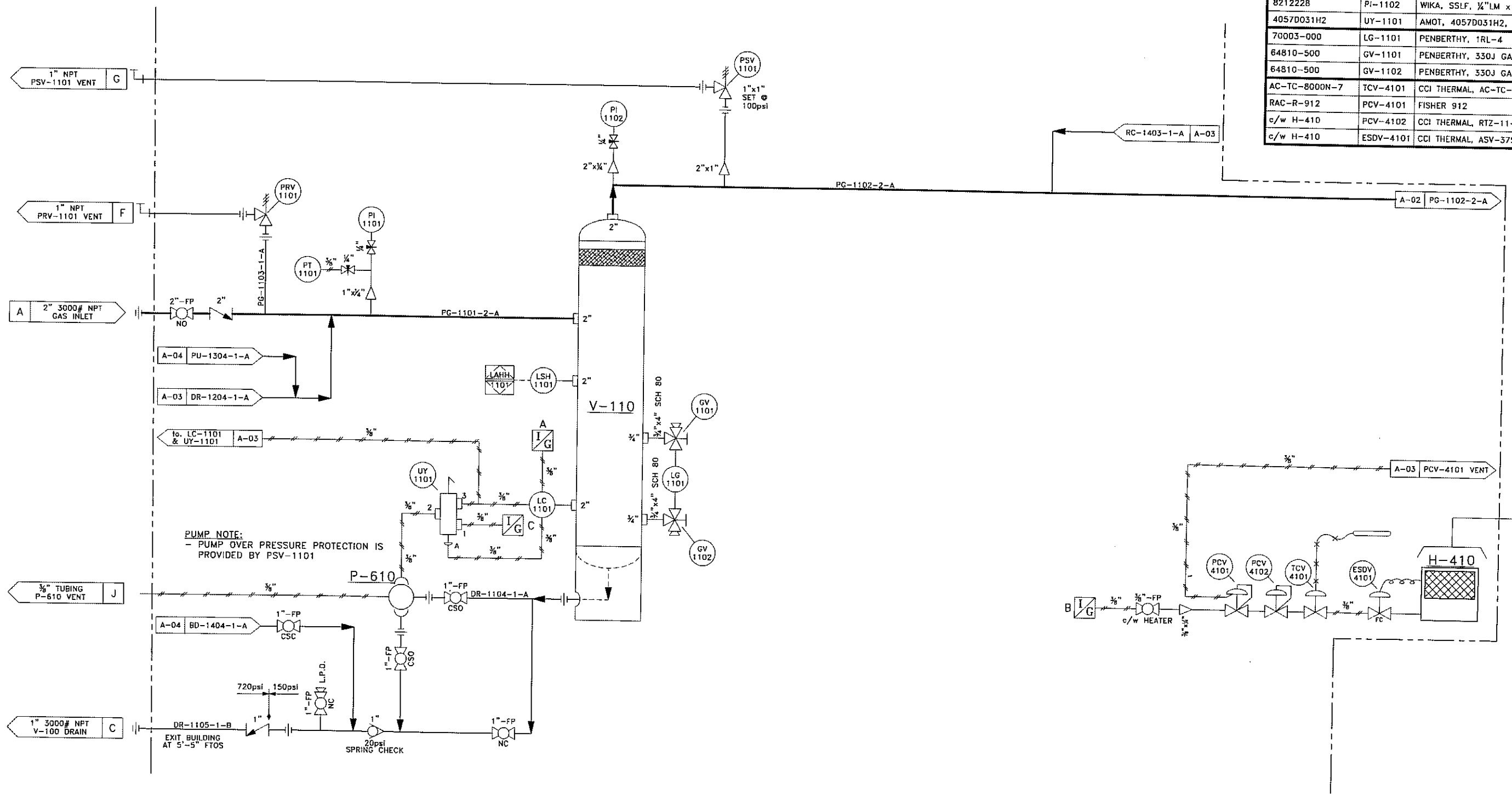
V-110
INLET SEPARATOR
Manufacturer: LO TECH MANUFACTURING
Size: 8.625" x 4'-0" S/S
MAWP: 600psi @ 650°F
MDMT: -20°F @ 600psi
CRN: OH5415.21345
.0625" C.A.
I/C: SCRUBBER848
S/N: 8600.350

H-410
HEATER
Manufacturer: CATA-DYNE
Model: MKII 2424
120V START
I/C: MK2424-21111
S/N: 343810

P-610
LIQUID PUMP
Manufacturer: SANBPIPER
Model: PCC1, GABTXNSX
MAWP: 100psi
Capacity: 45gpm @ 40sefm
I/C: G1FB1ABTXNSX00
S/N: 1517875

BILL of MATERIAL

ITEM CODE	ITEM TAG	DESCRIPTION
9117D51V06E1-100	PSV-1101	MERCER, 91-17D51V06E1, 1"x1" NPT, SET @ 100psi
4348317	PT-1101	WIKA, N-10, S.R 0-15psi
289H-42	PRV-1101	FISHER, 1" NPT, 289H-42, S.R. 4-15psig
L1200NDVO	LC-1101	MURPHY, L1200 NDVO, MAWP: 1500psi
L1200	LSH-1101	MURPHY, L1200, MAWP: 2000psi
8212228	PI-1101	WIKA, SSIF, 1/4"LM x 2 1/2"FACE, 0-30psi
8212228	PI-1102	WIKA, SSIF, 1/4"LM x 2 1/2"FACE, 0-30psi
4057D031H2	UY-1101	AMOT, 4057D031H2, 3 WAY SWITCHING VALVE
70003-000	LG-1101	PENBERTHY, 1RL-4
64810-500	GV-1101	PENBERTHY, 330J GAUGE VALVE
64810-500	GV-1102	PENBERTHY, 330J GAUGE VALVE
AC-TC-8000N-7	TCV-4101	CCI THERMAL, AC-TC-8000N-7
RAC-R-912	PCV-4101	FISHER 912
c/w H-410	PCV-4102	CCI THERMAL, RTZ-11-15B
c/w H-410	ESDV-4101	CCI THERMAL, ASV-375, 1/2 PSI



- GENERAL NOTES:
1. PIPING CONSTRUCTED TO ASME B31.3 NORMAL SERVICE
 2. MATERIALS: 2" & SMALLER:
PIPE: SA-106B, SCH 80
FITTINGS: SA-105, 2000# NPT
UNIONS: SA-105 3000# NPT
BALL VALVES: 2000# NPT FP
TUBING:
1/4", 3/8" & 1/2" 316SS, .035" WALL
TUBING FITTINGS:
1/4", 3/8" & 1/2" 316SS
 3. DESIGN:
a) SPEC 'A' PIPING: MAWP = 150psig @ 350°F
MDMT: -20°F @ 150psig
AIR TEST: 165psig @ AMBIENT TEMPERATURE
b) SPEC 'B' PIPING: MAWP = 720psig @ 350°F
MDMT: -20°F @ 720psig
HYDRO TEST: 1080psig
 4. THIS PRESSURE PIPING HAS A CAPACITY OF LESS THAN 0.5 CUBIC METERS
 5. AREA CLASSIFICATION IS CLASS 1 DIV 2
 6. SKID INSULATION: 2" POLAR FOAM PF2444

1

AS BUILT

SDC

05-28-07

0

ISSUED FOR CONSTRUCTION

SDC

04-03-07

REV.

DESCRIPTION

BY

DATE

CHKD

APPD

2308-8th Street
Nisku Alberta
T9E 7Z2

Office: 780.955.4292
Fax: 780.955.4294
Toll Free: 866.955.4292

Drawn by:
S.D.C.

Date:
12-12-06

Checked by:

Approved by:

Company:
HUSKY ENERGY

222 LP SAA-SCROLL SERIES
SZ022C3A w/ DESICCANT TOWERS
SKID MOUNTED, SWEET SERVICE

Quote/Ref. NO.:
N.T.S.

JOB NO.:
1-702

Unit NO.:
SAA-07165

Drawing NO.:
PID-SAA07165-A-01

Rev.:
1

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CA-210/220
COMPRESSOR ASSEMBLY
Manufacturer: COPELAND SCROLL
Model: SZ022C3A-EDE-234
Inlet Pressure: 2" W.C. / MAX 10psi
Discharge Pressure Setting: 215psi
275VAC/3Phase/60Hz
Peak Operating Amps: 16
H.P.: 10
I/C: SZ022C3A-EDS-234
S/N CA-210: 07DA3042
S/N CA-220: 07DA3045
QPS CERTIFIED:
CA-210: QCC-21385
CA-220: QCC-21391

C-210/220
COMPRESSOR
Manufacturer: COPELAND SCROLL
Model: ZNH22C3A-TXX-265
Inlet Pressure: 15psi / MAX 65psi
Discharge Pressure: 450psi
275VAC/3Phase/60Hz
Peak Operating Amps: 16.3
R.P.M.: 3500
S/N C-210: 07CA9093D
S/N C-220: 07CA9076D

F-210/220
LUBE OIL FILTER
Manufacturer: COPELAND SCROLL
Part No: 513-0019-01

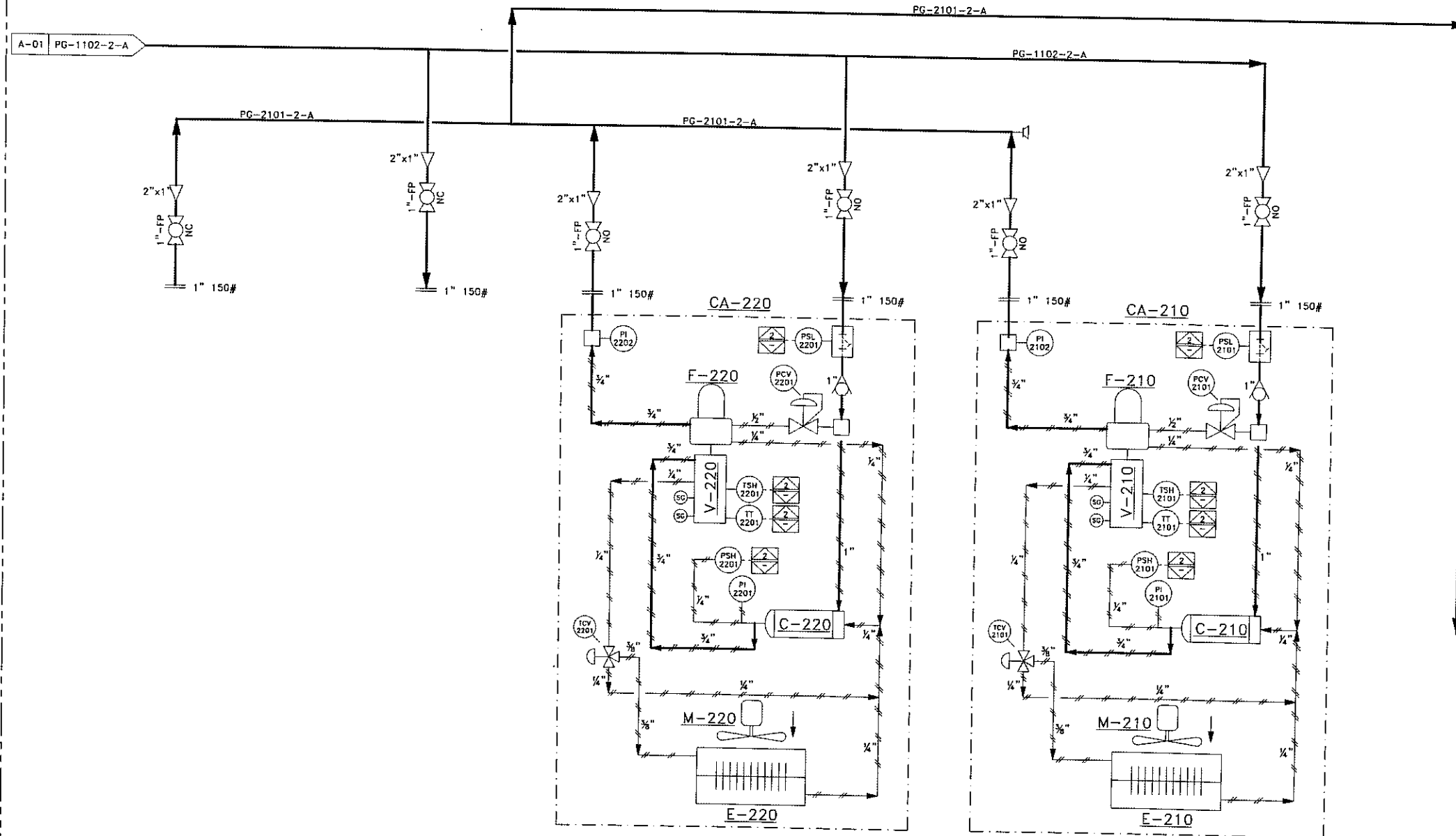
V-210/220
LUBE OIL SEPARATOR
Manufacturer: COPELAND SCROLL
Part No: 548-1897-02
Rated Pressure: 250psig

E-210/220
COMPRESSOR COOLER
Manufacturer: SUPER RADIATOR COILS
CRN: OH6358.2
CRN: OH0741.3
MAWP: 250psi @ 300°F
MDMT: -20°F @ 250psi

M-210/220
COOLER FAN MOTOR
Manufacturer: EBM
Model: W1G250-HH37-52
Class 1, Div. 2
24 VDC, 1/2Hp

BILL of MATERIAL

ITEM CODE	ITEM TAG	DESCRIPTION
9117D51V07E1-150	PSV-2101	MERCER, 91-17D51V07E1, 1"x1" NPT, SET @ 150psi
AAA	BPCV-2101	KIMRAY, 2" NPT, 212 SGT-BP, MAWP: 175psi
c/w BPCV-2101	PI-2103	KIMRAY, 1/4"LM x 2"FACE, 0-160psi
98H	PCV-2101	FISHER, 98H-4, S.R. 35-100psi
c/w CA-210	ROSTRA	ROSTRA VERNATHERM, 0250-08-00/200
675GE8001	PSL-2101	LO SUCTION PRESSURE, CCS 675GE8001, SET @ 2"WC DECR.
6900GE18	PSH-2101	HI DISCHARGE PRESSURE, CCS 6900GE18, SET @ 145psi INCR.
6900TE16	TSH-2101	HI DISCHARGE TEMPERATURE, CCS 6900TE16, SET @ 240°F INCR.
c/w CA-210	TT-2101	TEMPERATURE THERMISTER
c/w CA-210	PI-2101	SWAGELOK, 1/4"LM x 2 1/2"FACE, 0-200psi
c/w CA-210	PI-2102	SWAGELOK, 1/4"LM x 2 1/2"FACE, 0-200psi
98H	PCV-2201	FISHER, 98H-4, S.R. 35-100psi
c/w CA-220	TCV-2201	ROSTRA VERNATHERM, 0250-08-00/200
675GE8001	PSL-2201	LO SUCTION PRESSURE, CCS 675GE8001, SET @ 2"WC DECR.
6900GE18	PSH-2201	HI DISCHARGE PRESSURE, CCS 6900GE18, SET @ 145psi INCR.
6900TE16	TSH-2201	HI DISCHARGE TEMPERATURE, CCS 6900TE16, SET @ 240°F INCR.
c/w CA-220	TT-2201	TEMPERATURE THERMISTER
c/w CA-220	PI-2201	SWAGELOK, 1/4"LM x 2 1/2"FACE, 0-200psi
c/w CA-220	PI-2202	SWAGELOK, 1/4"LM x 2 1/2"FACE, 0-200psi



GENERAL NOTES:

1. PIPING CONSTRUCTED TO ASME B31.3 NORMAL SERVICE
2. MATERIALS: 2" & SMALLER:
PIPE: SA-106B, SCH 80
FITTINGS: SA-105, 2000# NPT
UNIONS: SA-105 3000# NPT
BALL VALVES: 2000# NPT FF
TUBING:
1/4", 3/8" & 1/2" 316SS, .035" WALL
TUBING FITTINGS:
1/4", 3/8" & 1/2" 316SS

3. DESIGN:
a) SPEC 'A' PIPING: MAWP = 150psig @ 350°F
MDMT: -20°F @ 150psig
AIR TEST: 165psig @ AMBIENT TEMPERATURE
a) SPEC 'B' PIPING: MAWP = 720psig @ 350°F
MDMT: -20°F @ 720psig
HYDRO TEST: 1080psig
4. THIS PRESSURE PIPING HAS A CAPACITY OF LESS THAN 0.5 CUBIC METERS
5. AREA CLASSIFICATION IS CLASS 1 DIV 2
6. SKID INSULATION: 2" POLAR FOAM PF2444

REV.	DESCRIPTION	BY	DATE	CHKD	APPD
1	AS BUILT		05-28-07		
0	ISSUED FOR CONSTRUCTION		04-05-07		



2305-8th Street
Nisku Alberta
T9E 7Z2

Office: 780.955.4292
Fax: 780.955.4294
Toll Free: 866.955.4292

Drawn by:
S.D.C.
Date:
12-12-06
Checked by:
[Signature]
Approved by:
[Signature]
Scale:
N.T.S.

222 LP SAA-SCROLL SERIES
SZ022C3A w/ DESICCANT TOWERS
SKID MOUNTED, SWEET SERVICE

Company: **HUSKY ENERGY**
Quote/Ref. NO.:
JOB NO.:
Unit NO.:
Drawing NO.:
Rev.:
1

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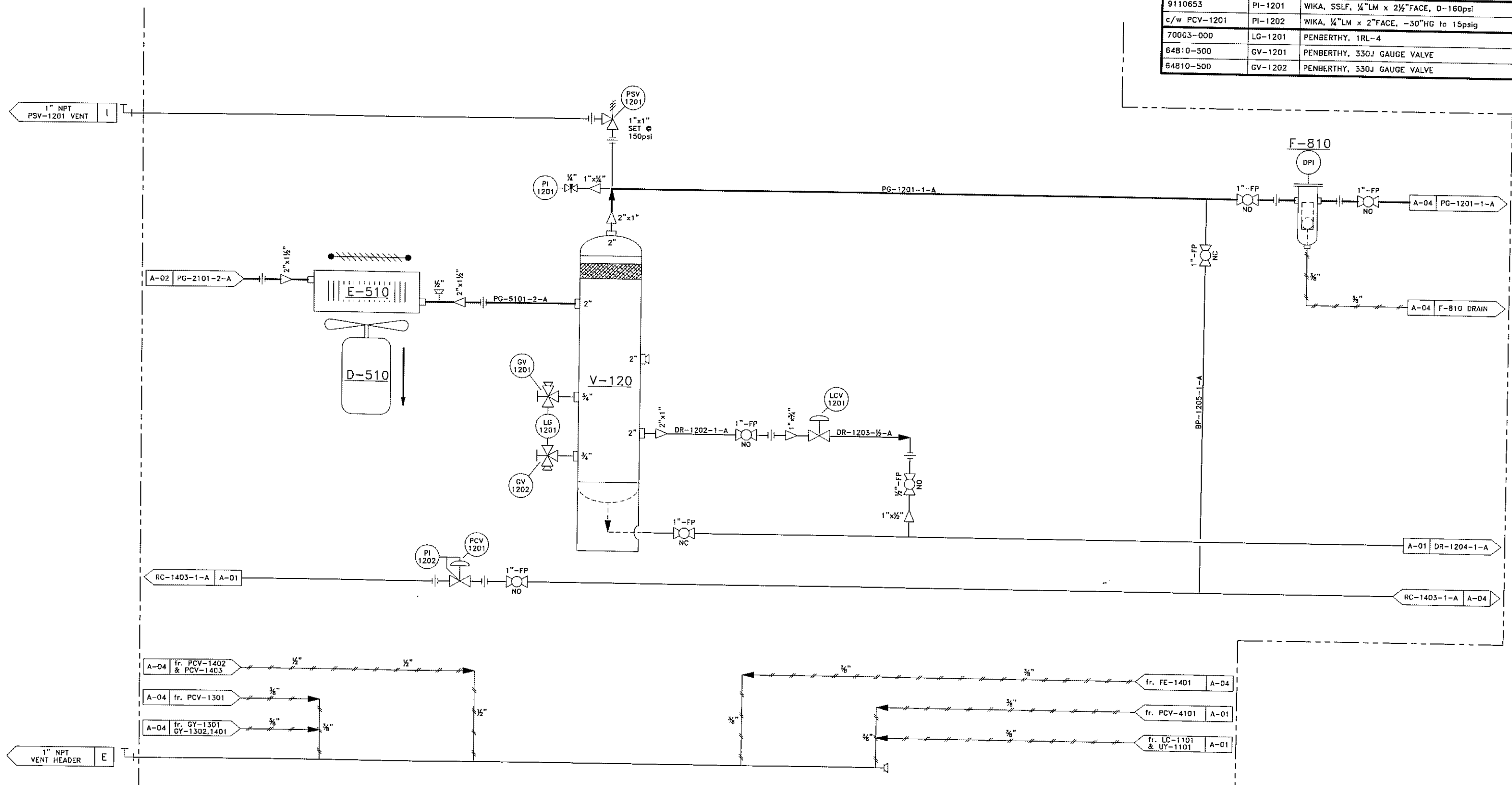
V-120
DISCHARGE SCRUBBER
Manufacturer: LO TECH MANUFACTURING
Size: 8.625" x 4'-0" S/S
MAWP: 600psi @ 650°F
MDMT: -20°F @ 600psi
CRN: OH5415.21345
.0625" C.A.
I/C: SCRUBBER848
S/N: 8600.211

E-510
AIR COOLED EXCHANGER
Manufacturer: GLOBAL HEAT TRANSFER
Model: GHT 450 SC
Part: 698-0362
MAWP: 402psi @ 250°F
CRN: OH7426.215
I/C: GHT450
S/N: 0512033039

D-510
COOLER FAN MOTOR
Manufacturer: EBM
Model: W1G250-HH37-52
Class 1, Div. 2
24 VDC, 1/2Hp
I/C: 550058100
QPS Certified: QCC-40364

F-810
FILTER
Manufacturer: PEACOCK FLAIR
Model: HF-90
MAWP: 232psi @ 149°F
Element: HFD-90
CRN: OH5142.51263
c/w DPI
I/C: HF90

BILL of MATERIAL		
ITEM CODE	ITEM TAG	DESCRIPTION
9117D51V07E1-150	PSV-1201	MERCER, 91-17D51V07E1, 1"x1" NPT, SET @ 150psi
AOP-25	PCV-1201	KIMRAY, 1" NPT, 1.2 SGT OPR, MAWP: 175psi, S.R. 2.5psi
WLD1811	LCV-1201	WATSON McDANIEL, PMD-1810-400, MAWP: 600psig @ 500°F
9110653	PI-1201	WIKA, SS LF, 1/4" LM x 2 1/2" FACE, 0-160psi
c/w PCV-1201	PI-1202	WIKA, SS LF, 1/4" LM x 2" FACE, -30" HG to 15psig
70003-000	LG-1201	PENBERTHY, 1RL-4
64810-500	GV-1201	PENBERTHY, 330J GAUGE VALVE
64810-500	GV-1202	PENBERTHY, 330J GAUGE VALVE



- GENERAL NOTES:
1. PIPING CONSTRUCTED TO ASME B31.3 NORMAL SERVICE
 2. MATERIALS: 2" & SMALLER:
PIPE: SA-106B, SCH 80
FITTINGS: SA-105, 2000# NPT
UNIONS: SA-105 3000# NPT
BALL VALVES: 2000# NPT FP
TUBING:
1/4", 3/8" & 1/2" 316SS, .035" WALL
TUBING FITTINGS:
1/4", 3/8" & 1/2" 316SS
 3. DESIGN: a) SPEC 'A' PIPING: MAWP = 150psig @ 350°F
MDMT: -20°F @ 150psig
AIR TEST: 165psig @ AMBIENT TEMPERATURE
b) SPEC 'B' PIPING: MAWP = 720psig @ 350°F
MDMT: -20°F @ 720psig
HYDRO TEST: 1080psig
 4. THIS PRESSURE PIPING HAS A CAPACITY OF LESS THAN 0.5 CUBIC METERS
 5. AREA CLASSIFICATION IS CLASS 1 DIV 2
 6. SKID INSULATION: 2" POLAR FOAM PF2444

REV.	DESCRIPTION	BY	DATE	CHKD	APPD
1	AS BUILT		05-28-07		
0	ISSUED FOR CONSTRUCTION	SDC	04-03-07	SDC	BH



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Drawn by:
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Scale:
N.T.S.

222 LP SAA-SCROLL SERIES
SZ022C3A w/ DESICCANT TOWERS
SKID MOUNTED, SWEET SERVICE

HUSKY ENERGY
Quote/Ref. No.:
JOB NO.:
Unit NO.:
SAA-07165
Drawing NO.:
PID-SAA07165-A-03
Rev.:
1

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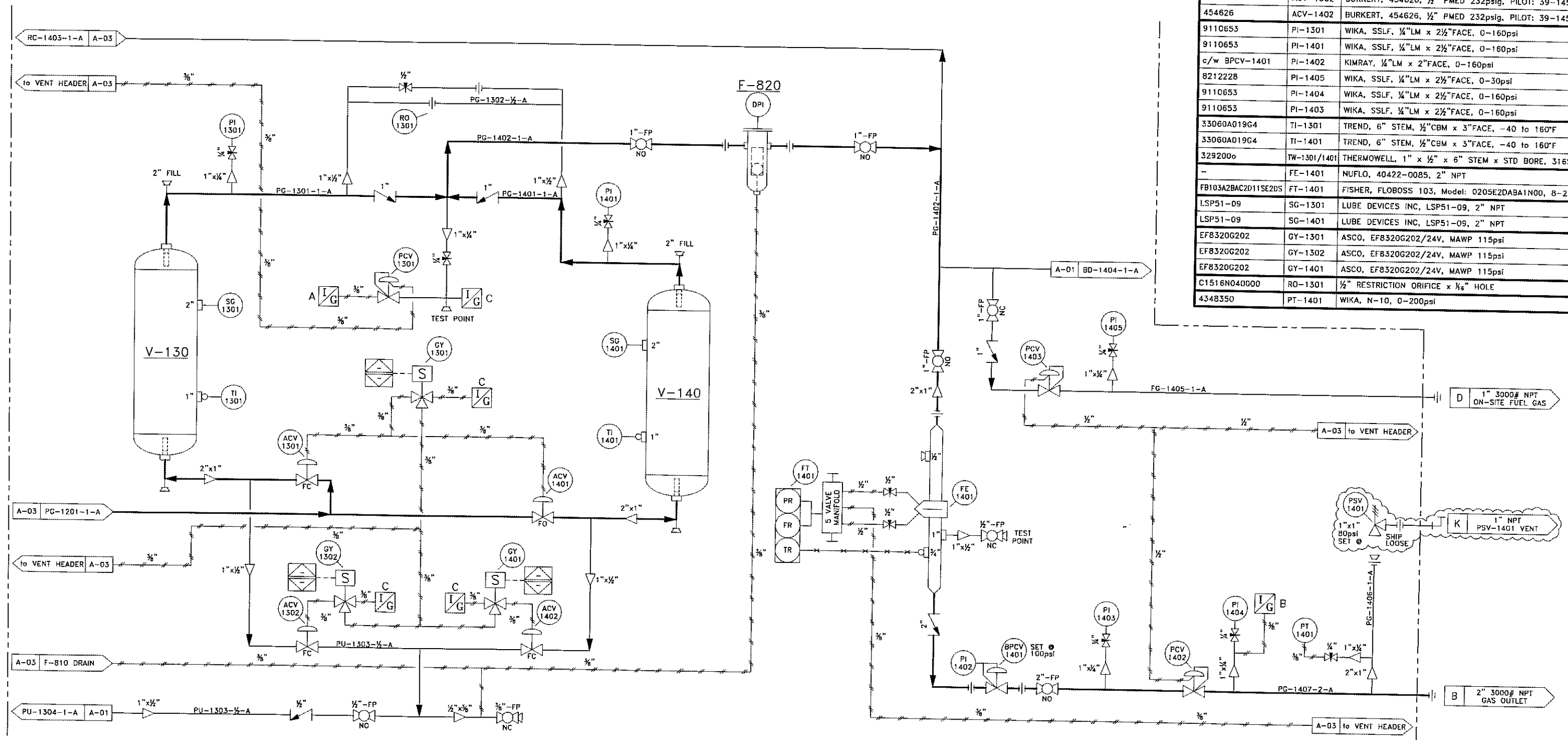
V-130
DRYING TOWER
Manufacturer: LO TECH MANUFACTURING
Size: 8.625" x 4'-0" S/S
MAWP: 600psi @ 650°F
MDMT: -20°F @ 600psi
CRN: OH5415.21345
.0625" C.A.
I/C: BULLETA848
S/N: 8600.341

V-140
DRYING TOWER
Manufacturer: LO TECH MANUFACTURING
Size: 8.625" x 4'-0" S/S
MAWP: 600psi @ 650°F
MDMT: -20°F @ 600psi
CRN: OH5415.21345
.0625" C.A.
I/C: BULLETA848
S/N: 8600.336

F-820
FILTER
Manufacturer: PEACOCK FLAIR
Model: HF-90
MAWP: 232psi @ 149°F
Element: HFD-90
CRN: OH5142.51263
c/w DPI
I/C: HF90

BILL of MATERIAL

ITEM CODE	ITEM TAG	DESCRIPTION
9117051V06E1-80	PSV-1401	MERCER, 91-17051V06E1, 1"x1" NPT, SET @ 80psi
67CFR362SPEC	PCV-1301	FISHER, 67CFR-362SC, 1/2" NPT, S.R. 0-35psi
AAA	BPCV-1401	KIMRAY, 2" NPT, 212 SGT-BP, MAWP: 175psi
627-579	PCV-1402	FISHER, 2" NPT, 627-579, S.R. 70-150psig, 1/2" ORIFICE
627-496	PCV-1403	FISHER, 1" NPT, 627-496, S.R. 5-20psig, 1/2" ORIFICE
454628	ACV-1301	BURKERT, 454628, 1" PMED 232psi, PILOT: 27-145psi
454614	ACV-1401	BURKERT, 454614, 1" PMED 232psi, PILOT: 29-145psi
454626	ACV-1302	BURKERT, 454626, 1/2" PMED 232psig, PILOT: 39-145psi
454626	ACV-1402	BURKERT, 454626, 1/2" PMED 232psig, PILOT: 39-145psi
9110653	PI-1301	WIKA, SSIF, 1/4"LM x 2 1/2"FACE, 0-160psi
9110653	PI-1401	WIKA, SSIF, 1/4"LM x 2 1/2"FACE, 0-160psi
c/w BPCV-1401	PI-1402	KIMRAY, 1/4"LM x 2"FACE, 0-160psi
8212228	PI-1405	WIKA, SSIF, 1/4"LM x 2 1/2"FACE, 0-30psi
9110653	PI-1404	WIKA, SSIF, 1/4"LM x 2 1/2"FACE, 0-160psi
9110653	PI-1403	WIKA, SSIF, 1/4"LM x 2 1/2"FACE, 0-160psi
33060A019G4	TI-1301	TREND, 6" STEM, 1/2"CBM x 3"FACE, -40 to 160°F
33060A019G4	TI-1401	TREND, 6" STEM, 1/2"CBM x 3"FACE, -40 to 160°F
3292000	TI-1301/1401	THERMOWELL, 1" x 1/2" x 6" STEM x STD BORE, 316SS
-	FE-1401	NUFLO, 40422-0085, 2" NPT
FB103A2BAC2D11SE2DS	FT-1401	FISHER, FLOBOSS 103, Model: 0205E2DABA1N00, 8-28VDC
LSP51-09	SG-1301	LUBE DEVICES INC, LSP51-09, 2" NPT
LSP51-09	SG-1401	LUBE DEVICES INC, LSP51-09, 2" NPT
EF8320G202	GY-1301	ASCO, EF8320G202/24V, MAWP 115psi
EF8320G202	GY-1302	ASCO, EF8320G202/24V, MAWP 115psi
EF8320G202	GY-1401	ASCO, EF8320G202/24V, MAWP 115psi
C1516N040000	RO-1301	1/2" RESTRICTION ORIFICE x 3/8" HOLE
4348350	PT-1401	WIKA, N-10, 0-200psi



- GENERAL NOTES:
1. PIPING CONSTRUCTED TO ASME B31.3 NORMAL SERVICE
 2. MATERIALS: 2" & SMALLER:
PIPE: SA-106B, SCH 80
FITTINGS: SA-105, 2000# NPT
UNIONS: SA-105 3000# NPT
BALL VALVES: 2000# NPT FP
TUBING:
1/4", 3/8" & 1/2" 316SS, .035" WALL
TUBING FITTINGS:
1/4", 3/8" & 1/2" 316SS
 3. DESIGN:
a) SPEC 'A' PIPING: MAWP = 150psig @ 350°F
MDMT: -20°F @ 150psig
AIR TEST: 165psig @ AMBIENT TEMPERATURE
a) SPEC 'B' PIPING: MAWP = 720psig @ 350°F
MDMT: -20°F @ 720psig
HYDRO TEST: 1080psig
 4. THIS PRESSURE PIPING HAS A CAPACITY OF LESS THAN 0.5 CUBIC METERS
 5. AREA CLASSIFICATION IS CLASS 1 DIV 2
 6. SKID INSULATION: 2" POLAR FOAM PF2444

REV.	DESCRIPTION	BY	DATE	CHKD	APPD
1	AS BUILT				
0	ISSUED FOR CONSTRUCTION				

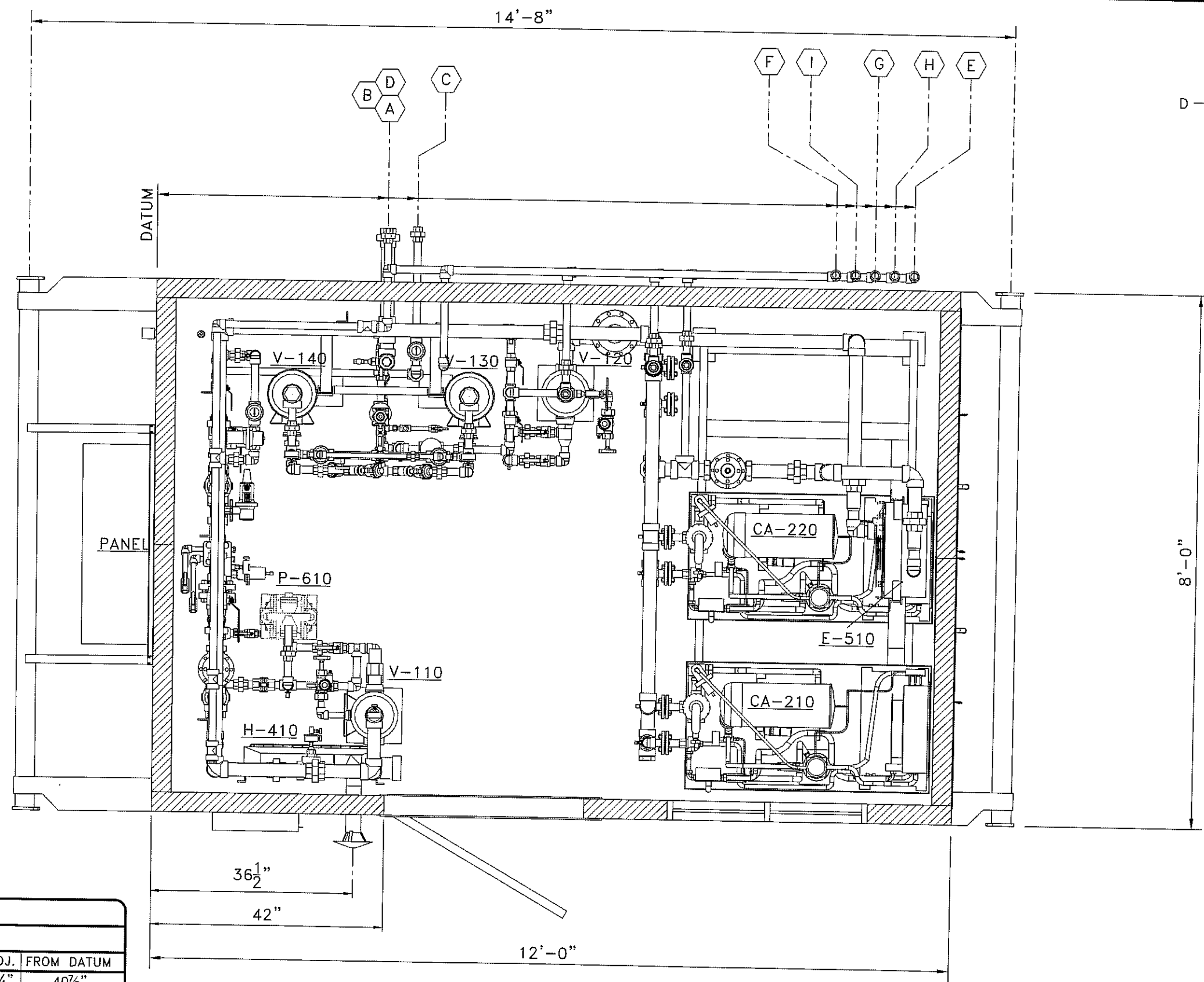


2308-8th Street
Nisku Alberta
T5E 7Z2

Office: 780.955.4292
Fax: 780.955.4294
Toll Free: 866.955.4292

Drawn by: S.D.C.
Date: 12-12-06
Checked by: SDC
Approved by: BH
Scale: N.T.S.
Company: HUSKY ENERGY
222 LP SAA-SCROLL SERIES
SZ022C3A w/ DESICCANT TOWERS
SKID MOUNTED, SWEET SERVICE
Unit NO.: SAA-07165
Drawing NO.: PID-SAA07165-A-04
Rev.: 1

P:\PC Compression\Drafting\Work-Internal\1-702 SAA-07165 SAA-222-LP Husky AB\B-C-A-SAA07165 AB.dwg, Plan View, 5/28/2007 7:55:32 AM, scotttpe. This drawing is the Property of PC Compression Inc. It may not be duplicated without written permission.



PACKAGE WEIGHT: 9,200 lbs / 4,175 Kg

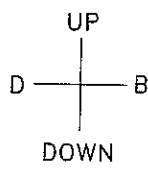
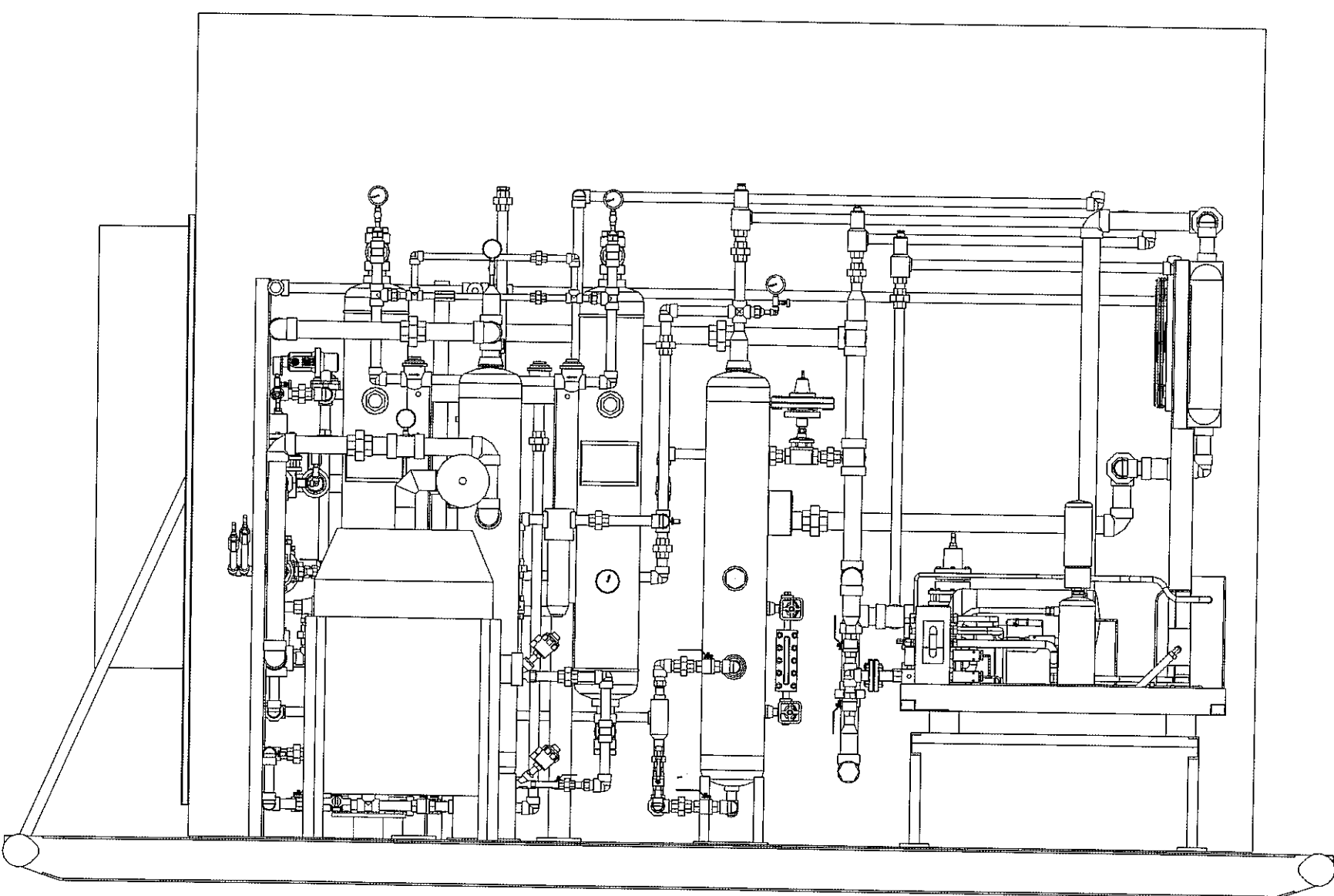
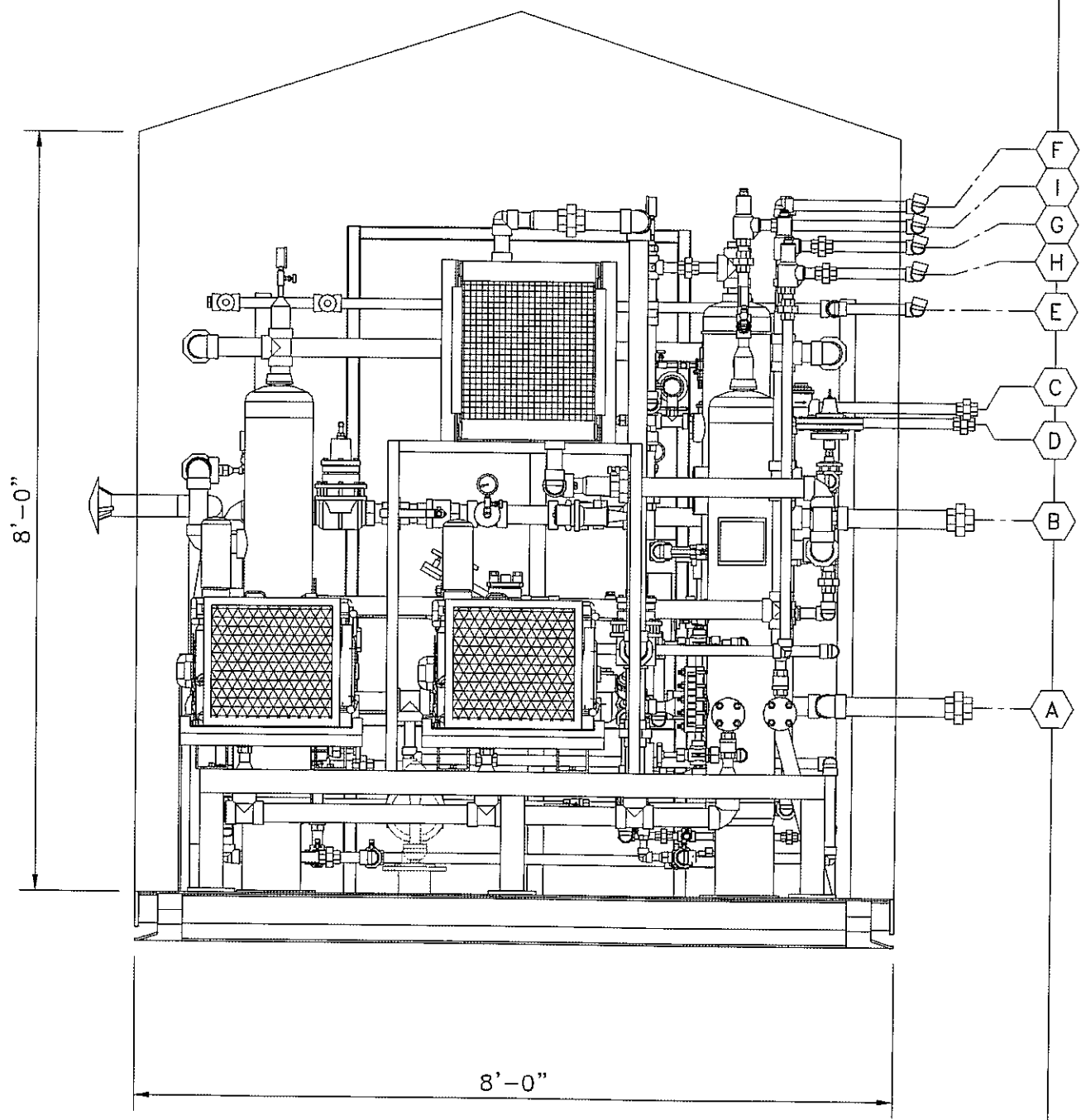
CUSTOMER CONNECTIONS

ITEM	DESCRIPTION	SIZE	ELEVATION	PROJ.	FROM DATUM
A	GAS INLET	2" 3000# NPT	30 1/2" FBOS	10 1/4"	40 7/8"
B	GAS OUTLET	2" 3000# NPT	54 5/8" FBOS	9 3/4"	40 7/8"
C	VESSEL DRAIN LINE	1" 3000# NPT	70 1/4" FBOS	8 1/4"	45 1/4"
D	ON-SITE FUEL GAS	1" 3000# NPT	66 3/4" FBOS	8 1/2"	40 1/2"
E	INSTR. VENT HEADER	1" 2000# NPT	82" FBOS	2 1/2"	128 7/8"
F	PRV-1101 VENT	1" 2000# NPT	95" FBOS	2 1/2"	119 3/4"
G	PSV-1101 VENT	1" 2000# NPT	88 5/8" FBOS	2 1/2"	124 1/2"
H	PSV-2101 VENT	1" 2000# NPT	83 7/8" FBOS	2 1/2"	126 1/2"
I	PSV-1201 VENT	1" 3000# NPT	91 1/2" FBOS	2 1/2"	122 1/4"

PLAN VIEW
SCALE 1:20

<div>PC COMPRESSION</div>				2308-8th Street Nisku Alberta T9E 7Z2		Office: 780.955.4292 Fax: 780.955.4294 Toll Free: 866.955.4292		Drawn by: S.D.C. Date: 12-12-06 Checked by: SDC Approved by: BH		222 LP SAA-SCROLL SERIES SZ022C3A w/ 8" DRYING TOWERS SKID MOUNTED, SWEET SERVICE	
AS BUILT				SDC 05-28-07				Company:		HUSKY ENERGY	
ISSUED FOR CONSTRUCTION				SDC 04-03-07		SDC BH		Scale:		1:20	
DESCRIPTION				BY		DATE		CHKD		APPD	
REV.								Quote/Ref. NO.:		JOB NO.:	
								Unit NO.:		Drawing NO.:	
								SAA-07165		GA-SAA07165-B-01	
								Rev.:		1	

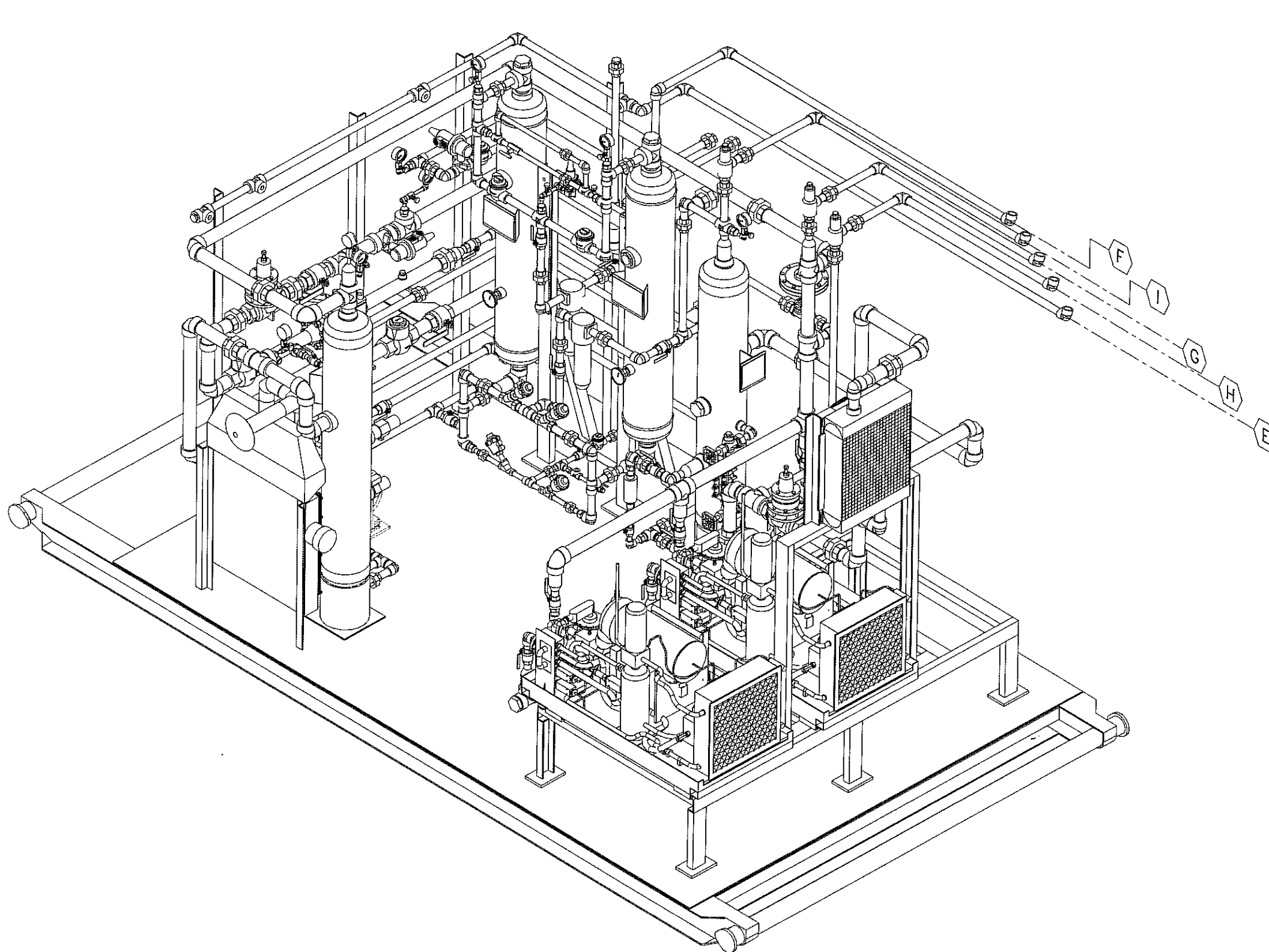
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'C' ELEVATION VIEW
SCALE 1:20

<div><div>2308-8th Street Nisku Alberta T9E 7Z2</div></div>				<div>Drawn by: S.D.C. Date: 12-12-06 Checked by: <i>SDC</i> Approved by: <i>SDC</i> Scale: 1:20</div>		<div>222 LP SAA-SCROLL SERIES SZ022C3A w/ 8" DRYING TOWERS SKID MOUNTED, SWEET SERVICE</div>			
<div>AS BUILT ISSUED FOR CONSTRUCTION DESCRIPTION</div>				<div>SDC 05-25-07 SDC 04-03-07 BY DATE CHKD APPD</div>		<div>Office: 780.955.4292 Fax: 780.955.4294 Toll Free: 866.955.4292</div>			
				<div>HUSKY ENERGY</div>		<div>Quote/Ref. NO.: JOB NO.: Unit NO.: Drawing NO.: Rev.: 1</div>			

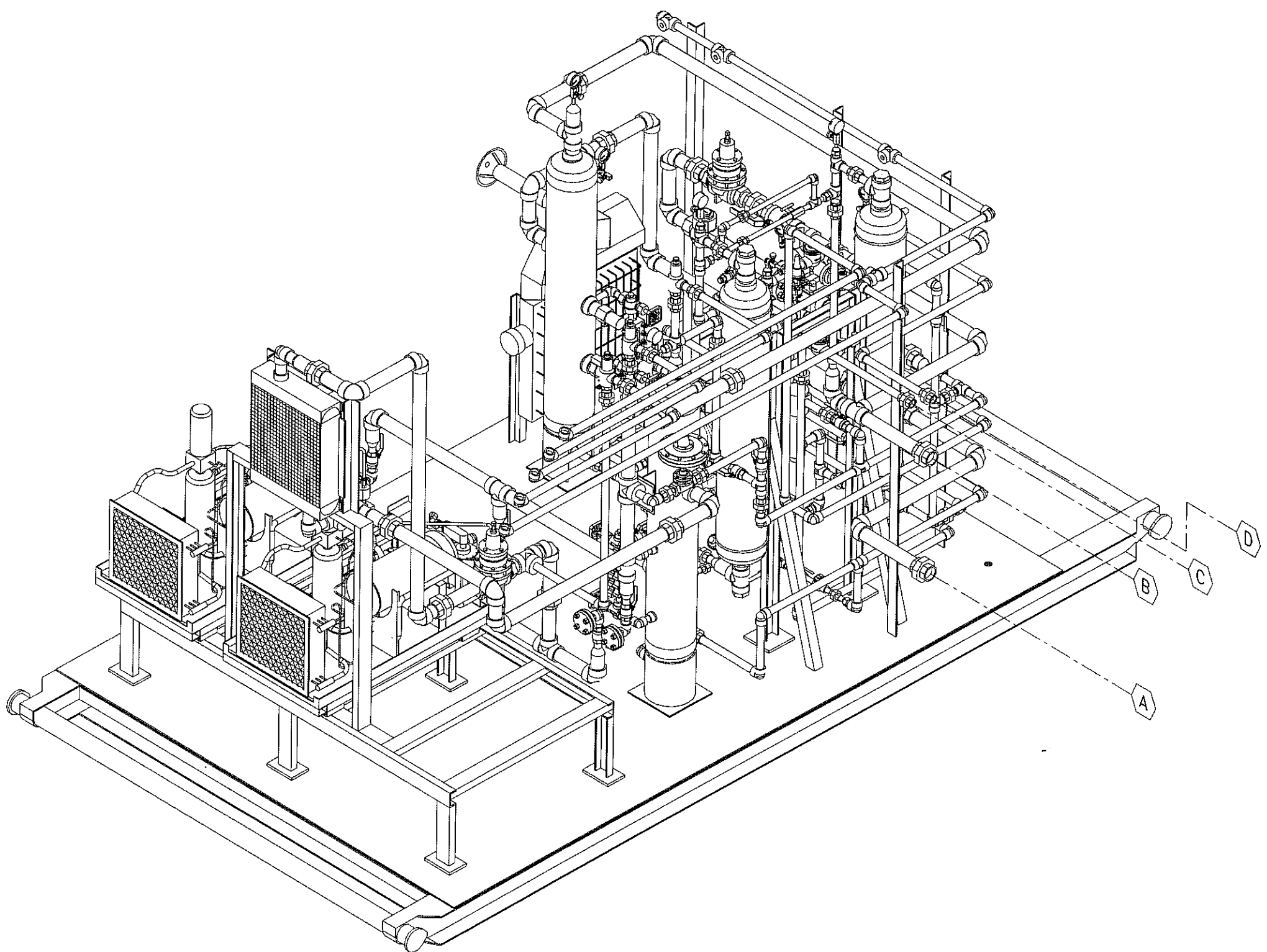
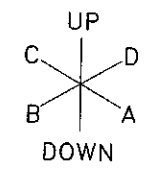
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'SE' ISOMETRIC VIEW
SCALE 1:20

<div><div>2308-8th Street Nisku, Alberta T9E 7Z2</div><div>Office: 780.955.4292 Fax: 780.955.4294 Toll Free: 866.955.4292</div></div>				Drawn by: S.D.C.		222 LP SAA-SCROLL SERIES SZ022C3A w/ 8" DRYING TOWERS SKID MOUNTED, SWEET SERVICE								
Date: 12-12-04				Checked by: SDC		Company: HUSKY ENERGY								
Approved by: OH				Scale: 1:20		Quote/Ref. NO.:		JOB NO.:	Unit NO.:	Drawing NO.:	Rev.:			
								1-702	SAA-07165	GA-SAA07165-B-03	0			
REV.				DESCRIPTION				BY				DATE	CHKD	APPD
1				AS BUILT				SDC				05-28-07		
0				ISSUED FOR CONSTRUCTION				SDC				04-03-07	SDC	SH

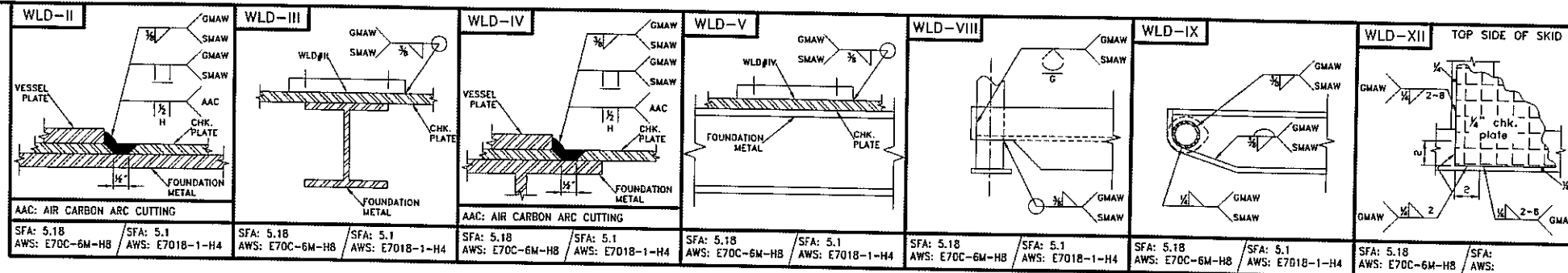
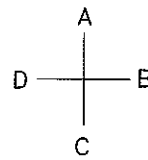
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'NE' ISOMETRIC VIEW
SCALE 1:20

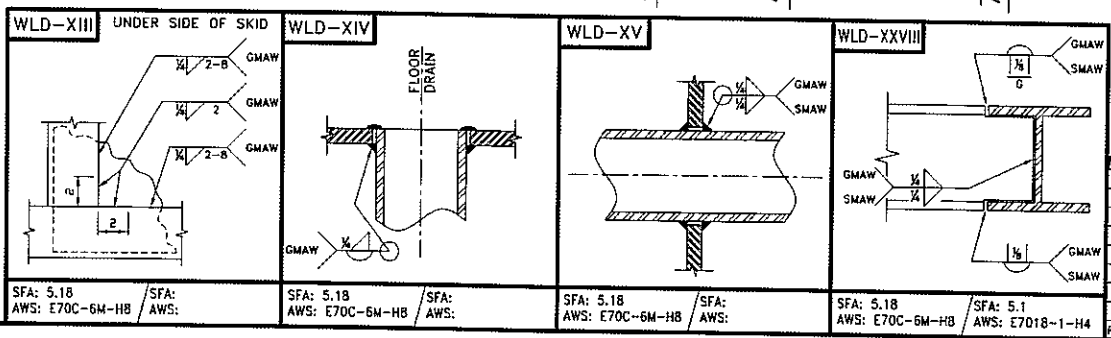
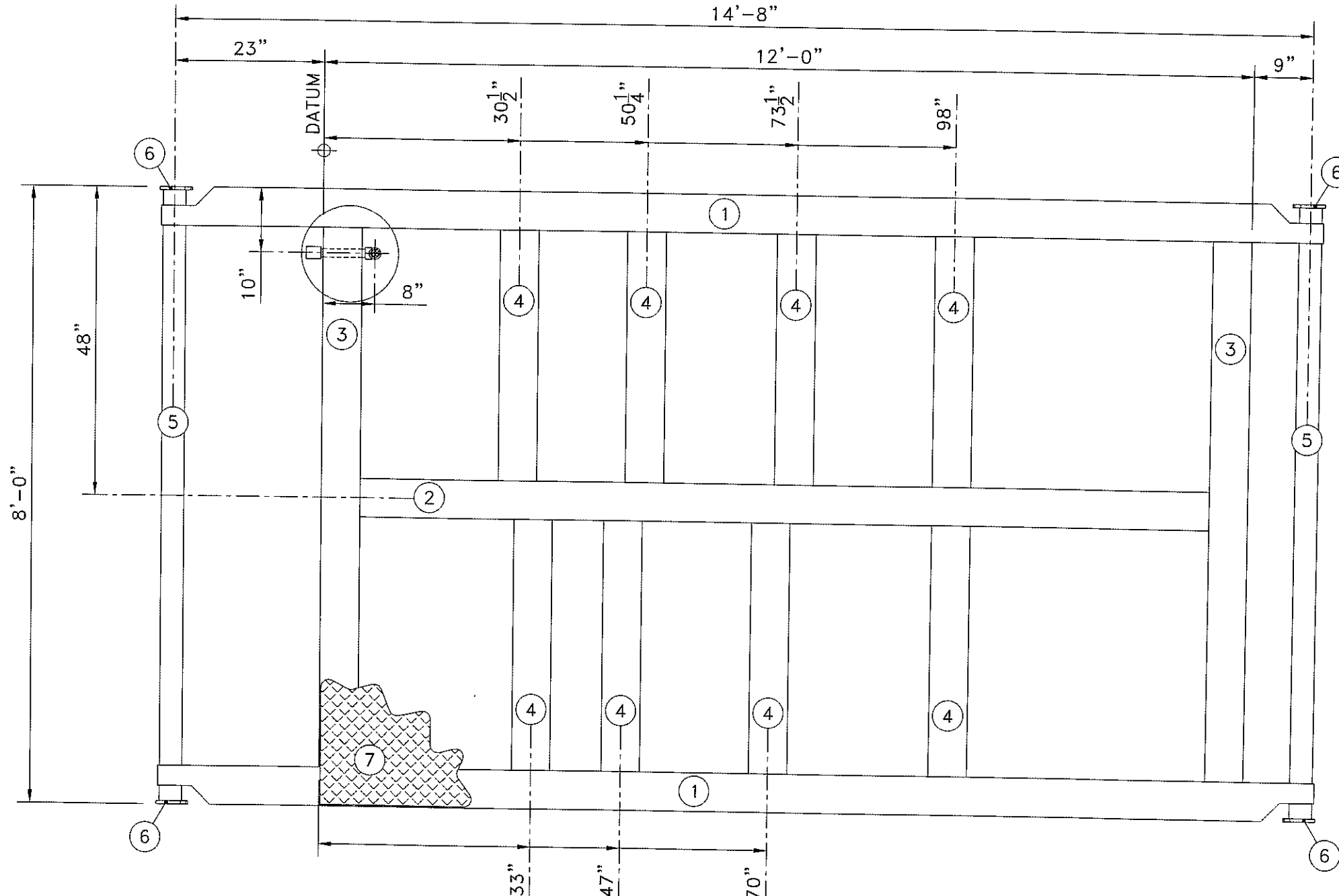
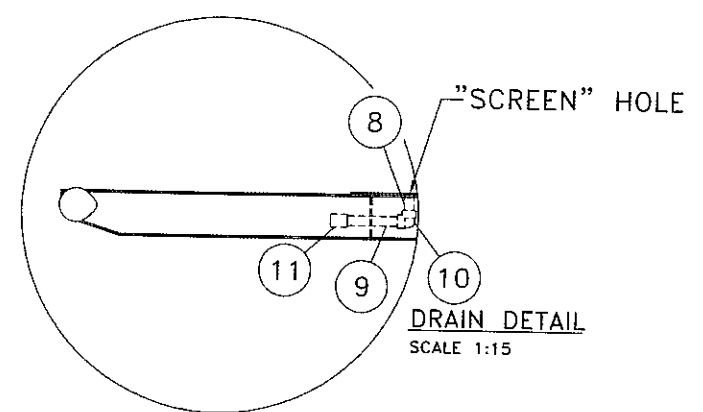
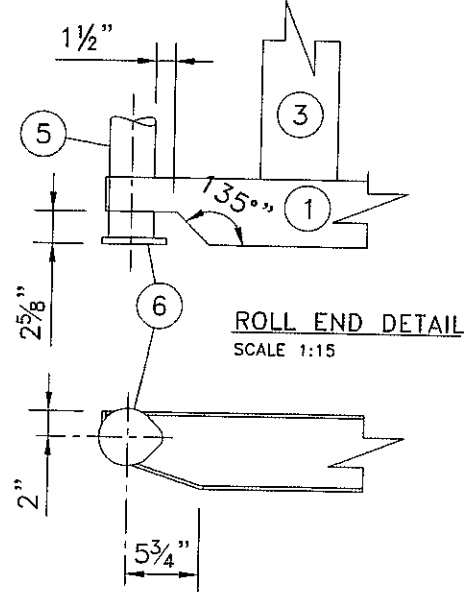
<div><div>2308-8th Street Nisku Alberta T9E 7Z2</div><div>Office: 780.955.4292 Fax: 780.955.4294 Toll Free: 866.955.4292</div></div>				<div>Drawn by: S.D.C. Date: 12-12-04 Checked by:  Approved by:  Scale: 1:20</div>				<div>222 LP SAA-SCROLL SERIES SZ022C3A w/ 8" DRYING TOWERS SKID MOUNTED, SWEET SERVICE</div>			
<div>AS BUILT ISSUED FOR CONSTRUCTION</div>				<div>SDC 05-28-07 SDC 04-03-07 SDC BH</div>				<div>Company: HUSKY ENERGY</div>			
<div>REV. DESCRIPTION</div>				<div>BY DATE CHKD APPD</div>				<div>Quote/Ref. NO.: JOB NO.: Unit NO.: Drawing NO.: Rev.: 1-702 SAA-07165 GA-SAA07165-B-04 1</div>			

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BILL of MATERIAL					
ITEM CODE	MARK	Q'TY	DESCRIPTION	MATERIAL	WEIGHT
463081018	1	2	W6x15# x 15'-7"lg (SEE ROLL END DETAILS)	A36/44W	465 lbs
463081018	2	1	W6x15# x 11'-5 1/2"lg	A36/44W	172 lbs
463081018	3	2	W6x15# x 7'-5 1/2"lg	A36/44W	225 lbs
463081018	4	8	W6x15# x 3'-8 1/2"lg	A36/44W	444 lbs
462001043	5	2	3" SCH 80 SMLS PIPE x 7'-11"lg	SA-106B	162 lbs
463850144	6	4	1/2" thk. ROLL END CAPS	SA-36	10 lbs
463001110	7	96sq'	1/4" CHECKPLATE (7'-11 1/2" x 11'-11 1/2")	SA-36	1,080 lbs
462101191	8	1	1" SCH 80 NIPPLE x 3"lg (TBE)	SA-106B	0.5 lbs
462101204	9	1	1" SCH 80 NIPPLE x 8"lg (TBE)	SA-106B	1.4 lbs
462501006	10	1	1" 2000# NPT ELBOW	SA-105	1.1 lbs
462501262	11	1	1" 2000# NPT FULL COLLAR	SA-105	0.4 lbs
TOTAL					2,561 lbs

WELDERS NOTE:
- 1/8" HAS BEEN TAKEN OFF OF CUT LENGTHS FOR WELD GAP PURPOSES



230B-8th Street Nisku Alberta T9E 7Z2		Office: 780.955.4292 Fax: 780.955.4294 Toll Free: 866.955.4292				Drawn by: M.E.W. Date: 04-06-04 Checked by: SDC Date: [Signature] Scale: 1:20		Company: HUSKY ENERGY-		Quote/Ref. NO.: JOB NO.: 1-702 Unit NO.: SAA-07165 Drawing NO.: SKD-SAA07165-D-01 Rev.: 1	
AS BUILT ISSUED FOR CONSTRUCTION DESCRIPTION				SDC 05-28-07 FL 10-23-06 BY DATE CHKD/APPD							

SKID LAYOUT
SCALE 1:20

222 LP SAA-SCROLL SERIES
SZ022C3A w/ DESICCANT TOWERS
SKID MOUNTED, SWEET SERVICE

SHUTDOWN KEY

INPUT DEVICES

VALVE
NORMAL

OUTPUT DEVICES


TAG

[illegible]

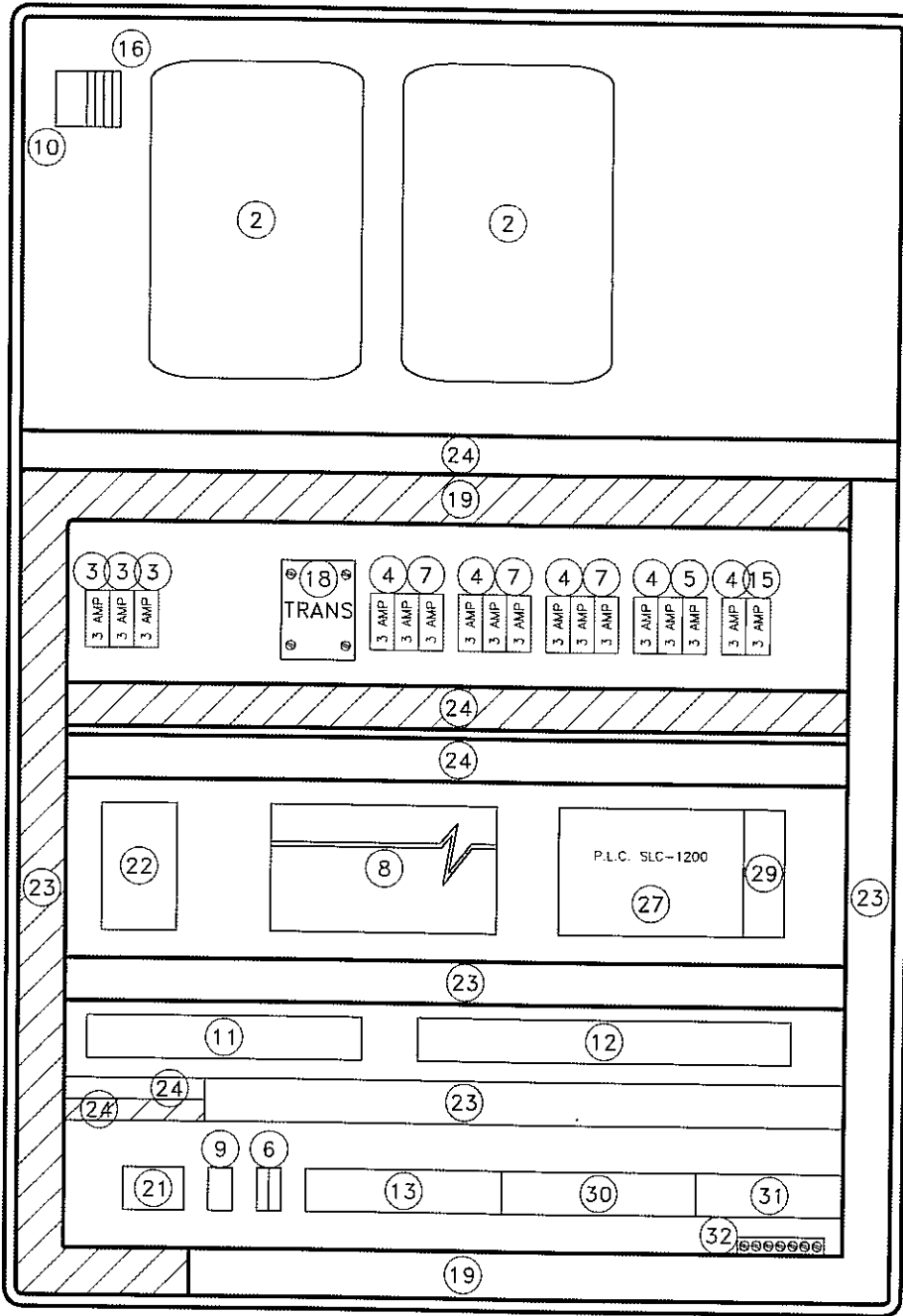
LEGEND

S	SHUTDOWN
R	RUN
TD	TIME DELAY (120 SEC.)
A	ALARM
SB	STANDBY
CS	CONTROL SPEED

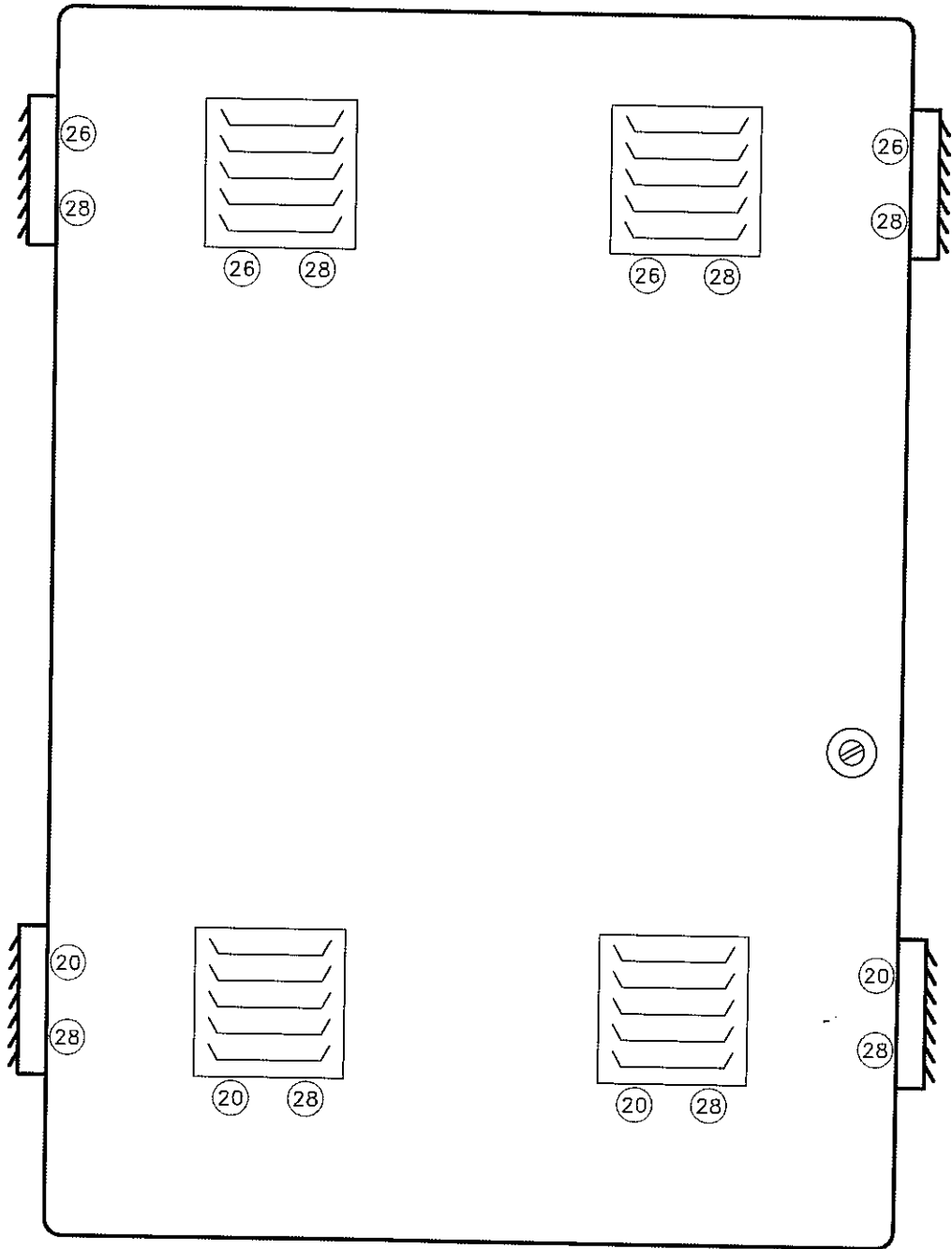
COMMENT
CALLOUT ALARM

						Drawn by: M.E.W. Date: 05-21-04 Checked by: <i>SA</i> Approved by: <i>SA</i>		222 LP SAA-SCROLL SERIES SZ022C3A w/ DESICCANT TOWERS SKID MOUNTED, SWEET SERVICE			
				2308-9th Street Nisku Alberta T9E 7Z2		Office: 780.955.4292 Fax: 780.955.4234 Toll Free: 866.955.4292		Company: HUSKY ENERGY			
1	AS BUILT	SDC	05-28-07			Scale:	JOB NO.:	Unit NO.:	Drawing NO.:	Rev.:	
REV.	DESCRIPTION	BY	DATE	CHKD	APPD	N.T.S.	Quale/Ref. NO.:	!-702	SA-07165	SDK-SAA07165-F-01	

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VIEW INSIDE PANEL



BILL of MATERIAL

MARK	Q'TY	DESCRIPTION
1	1	Hoffman C-SD 6036 12 Enclosure
2	2	V.F.D. Control Teck V3
3	3	Power Lugs Ferraz FSPDB 3A
4	6	Fuse Blocks Ferraz USM2
5	9	Fuse ATQR 2
6	1	120 VAC Power Term.
7	9	Fuse ATQR 20
8	1	Power Supply Phoenix Quint 30A
9	1	A-TEMNC Heating T-Stat
10	1	A-TEMNO Cooling T-Stat
11	1	24 VDC Power Term.
12	1	Discreet I/P Term.
13	1	Discreet O/P Term.
14		
15	4	Fuse ATM-1
16	4	WDU-4
17	-	
18	1	MT0500A Transformer
19	-	40 * 100 Wire Duct
20	4	A-FLT44 Filter
21	9	Weidmuller WDU 6 Motor Terminals
22	1	100 Watt Heater
23	-	60 x 100 Wire Duct
24	-	25 x 60 Wire Duct
25	-	
26	4	Cooling Fan 24 VDC
27	1	1762-L40-BXB 1200 PLC
28	8	A-VK44 Vented Louver
29	1	1762-IF20F2 Analog Card
30	1	Analog I/P & O/P Term.
31	1	Flow Boss / PT-1401 Terminals
32	1	Ground Strip



2308-8th Street
Nisku Alberta
T9E 7Z2
Office: 780.955.4292
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Toll Free: 866.955.4292

PC JOB NO.:
1-702
PC Unit NO.:
SAA-07165



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DATE	1	05-28-07	AS BUILT	PCCT	DATE	July 27/2005	Job #	PC072705-00-0001	01
REV.									
DATE									
DESCRIPTION									
BY									
APP'D									

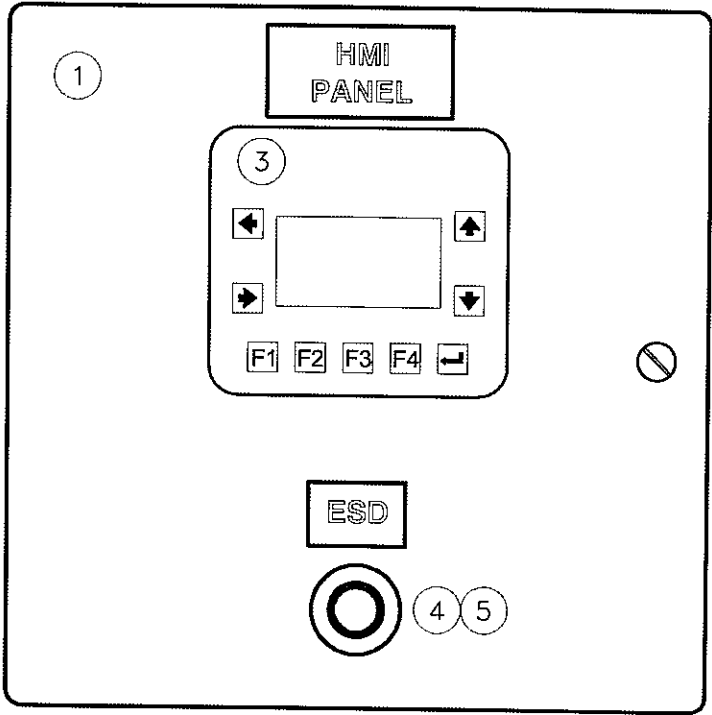
V.F.D. PC COMPRESSOR TWO OR THREE SCROLL DRIVE

PANEL LAYOUT COMMANDER SE

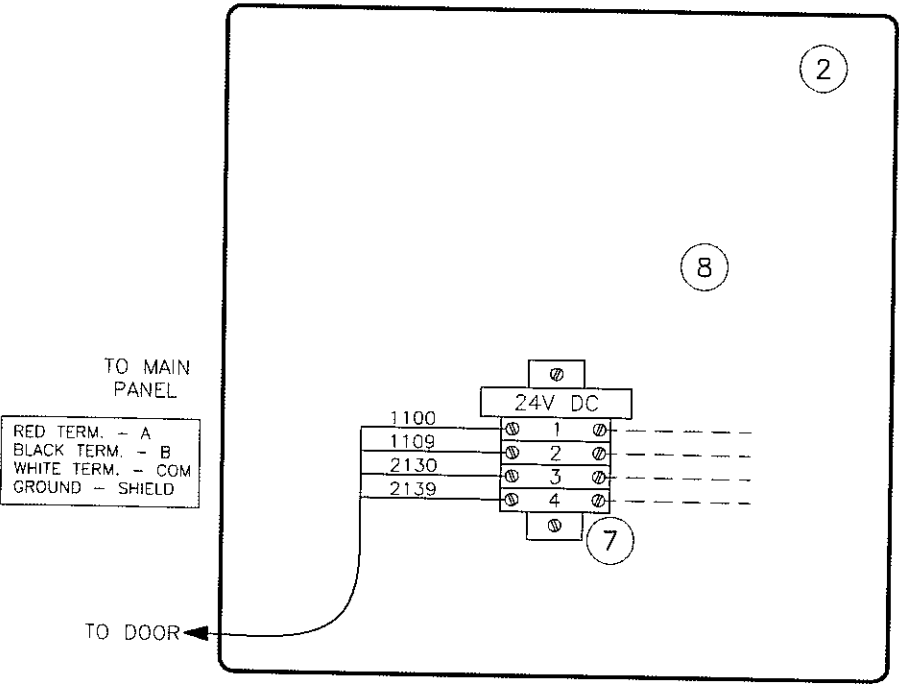
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BILL of MATERIAL

MARK	Q'TY	DESCRIPTION
1	1	Hoffman C-SD-12 126LG
2	1	Hoffman C-P 12 12
3	1	Allen Bradley 300 Micro 2711-M3A 18L1
4	1	800T-FX6D4
5	1	800T-XD2P
6	1	1761-CBI-HM 10 Allen Bradley Calbe
7	4	WD-4 Terminal



FRONT OF DOOR



INSIDE PANEL

TO MAIN
PANEL

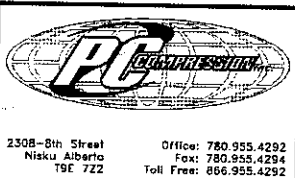
RED TERM. - A
BLACK TERM. - B
WHITE TERM. - COM
GROUND - SHIELD

TO DOOR

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REV	DATE	DESCRIPTION	BY	APPD	DATE	Job #	PC072705-00-0002	01
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V.F.D. PC COMPRESSOR TWO OR THREE SCROLL DRIVE								
PANEL LAYOUT COMMANDER SE								
DESIGN	DATE	BY	APPD	DATE	Job #	PC072705-00-0002	01	

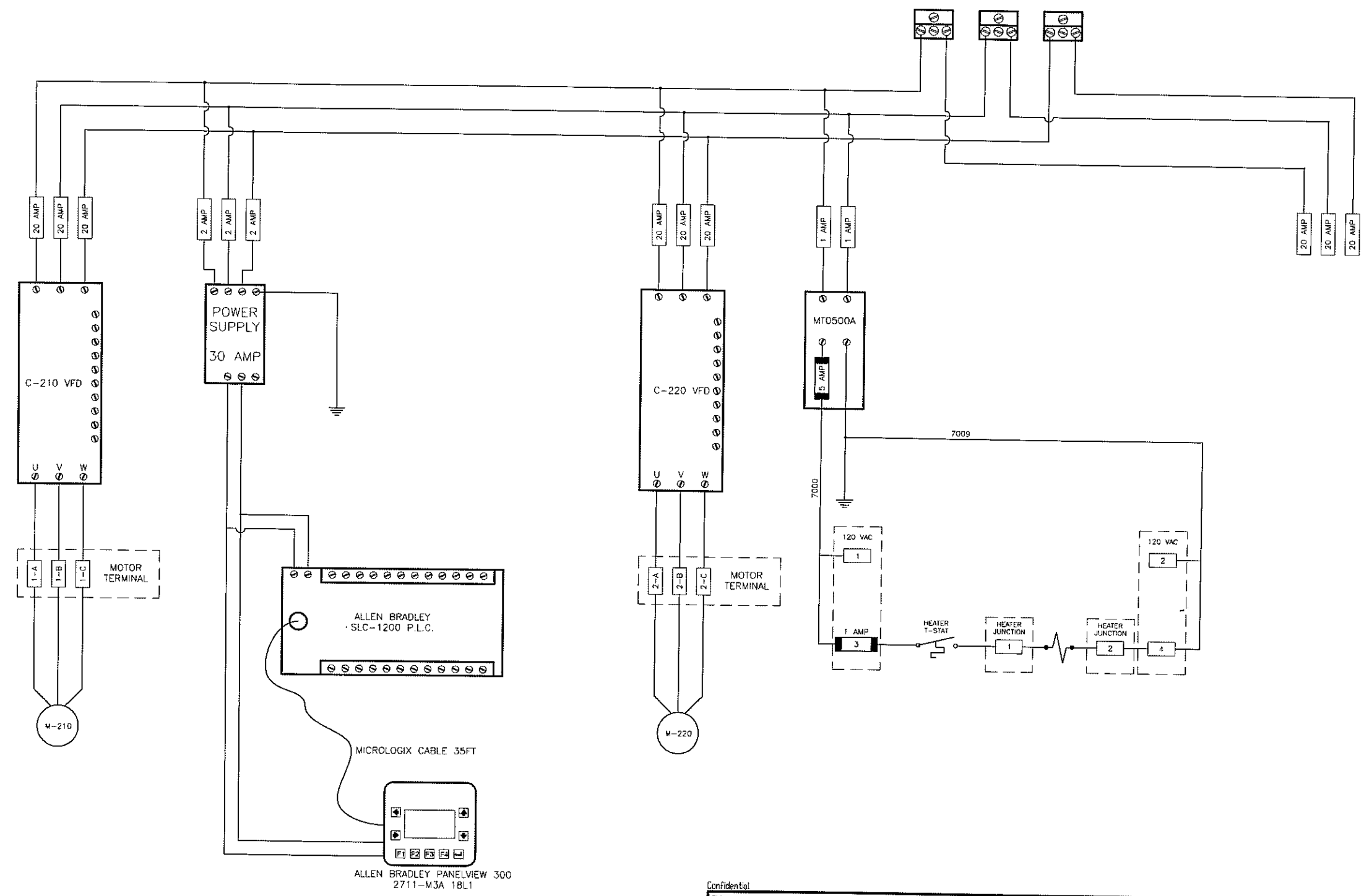


PC JOB NO.:
1-702

PC Unit NO.:
SAA-07165



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DWG NO.		1	05-28-07	AS BUILT	PCC1	REV.	DATE	DESCRIPTION	BY	APPD	DATE	Job #	PC072705-00-0003	01
REFERENCE DRAWINGS														
V.F.D. PC COMPRESSOR TWO OR THREE SCROLL DRIVE														
PANEL LAYOUT														
COMMANDER SE														



2308-Bth Street
Nisku Alberta
T9E 7Z2

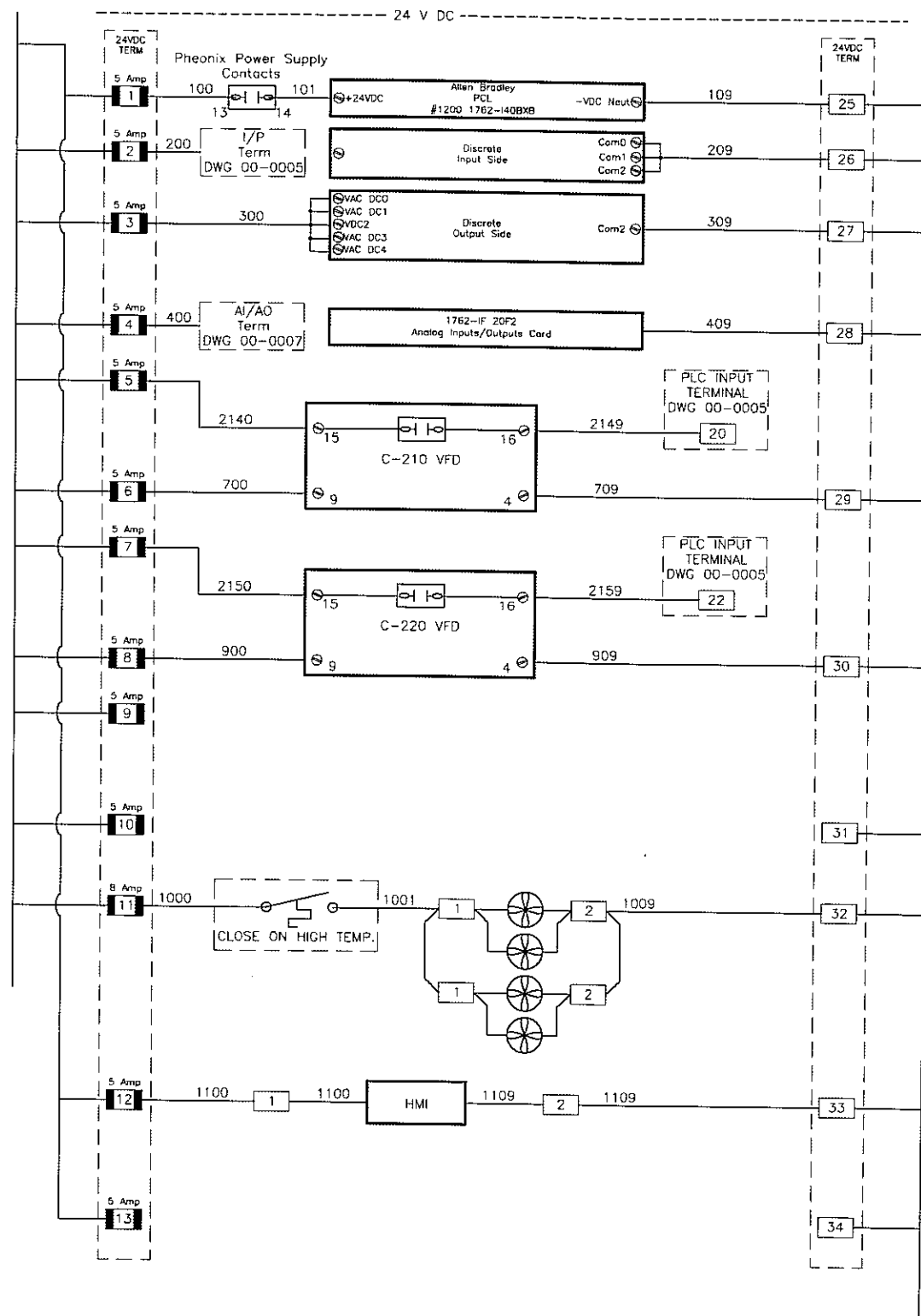
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PC JOB NO.:
1-702

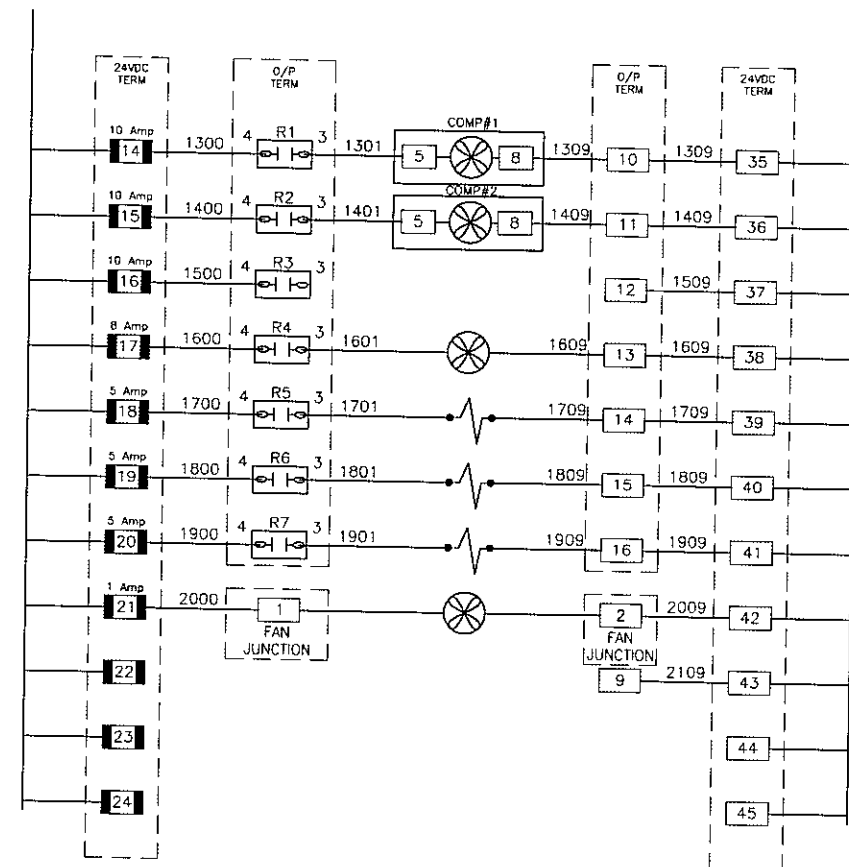
SAA-06138
SAA-07165



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- 1200 PLC POWER
- INPUT CARD POWER
- OUTPUT CARD POWER
- ANALOG POWER
- C-210 FAULT
- C-210 ENABLE TERM #30
- C-220 FAULT
- C-220 ENABLE TERM #30
- C-230 FAULT
- C-230 ENABLE TERM #30
- COOLING FANS
- PANELVIEW 300 MICRO



- M-210 COOLING FAN #1
- M-220 COOLING FAN #2
- M-230 COOLING FAN #3
- D-510 GAS COOLING FAN
- SOV-1 AIR DRYER
- SOV-2 AIR DRYER
- SOV-3 AIR DRYER
- PANEL HEATER FAN

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REVISIONS				APPROVALS			
REV.	DATE	DESCRIPTION	BY	APPD.	DATE	DESCRIPTION	BY
1	05-28-07	AS BUILT	PCCI				
REFERENCE DRAWINGS				JOB #			
				Job #			

V.F.D. PC COMPRESSOR TWO OR THREE SCROLL DRIVE
PANEL LAYOUT
COMMANDER SE
PC072705-00-0004

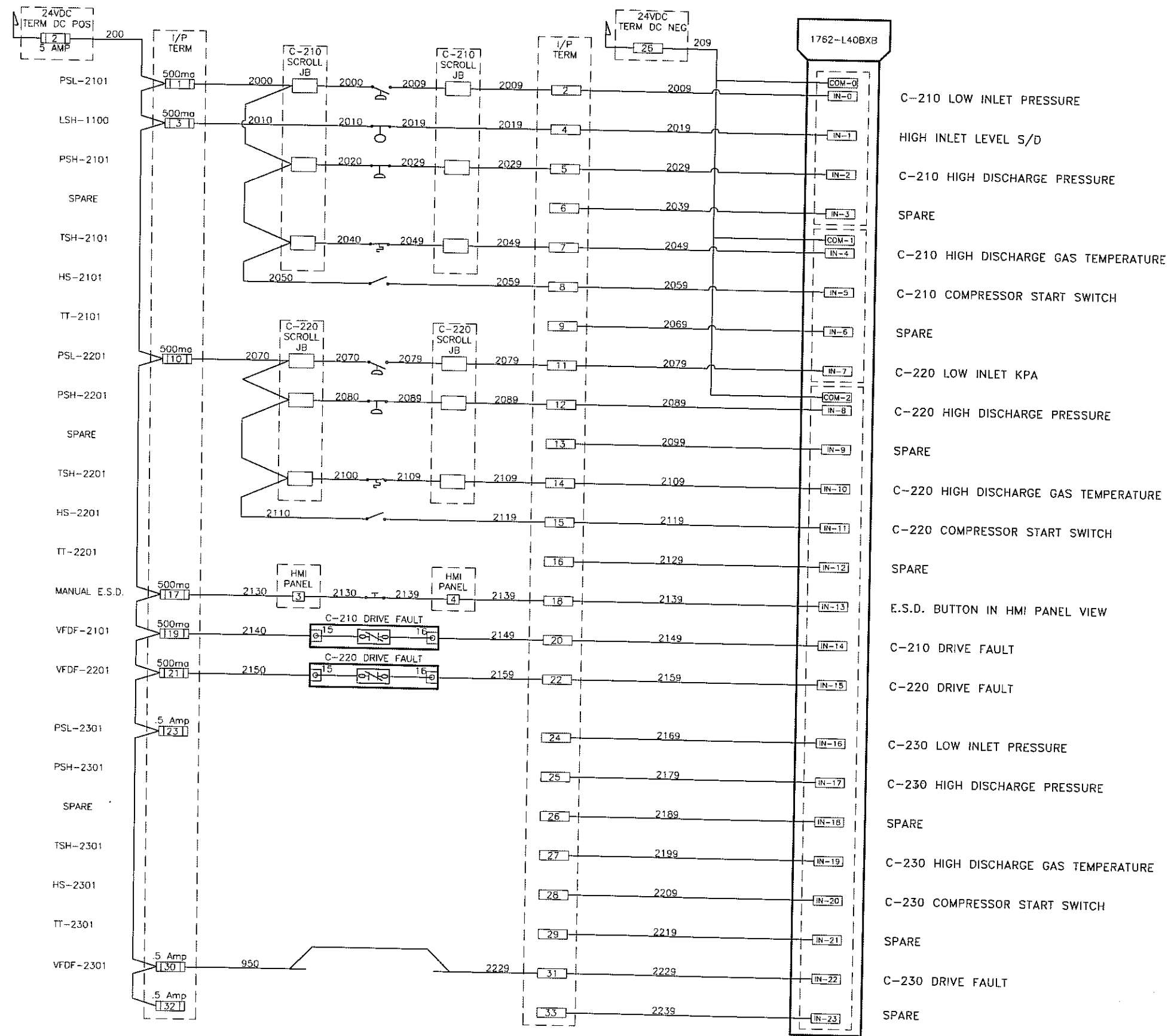


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Fax: 780.955.4294
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PC JOB NO.: 1-702
PC Unit NO.: SAA-07165



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REV.	DATE	DESCRIPTION	BY	APPD.
1	05-28-07	AS BUILT	POCI	

DATE	TIME	SCALE	REVISION	NO.
July 27/2005				01

V.F.D. PC COMPRESSOR TWO OR THREE SCROLL DRIVE

PANEL LAYOUT COMMANDER SE

PC072705-00-0005

PC Pyramid Corporation

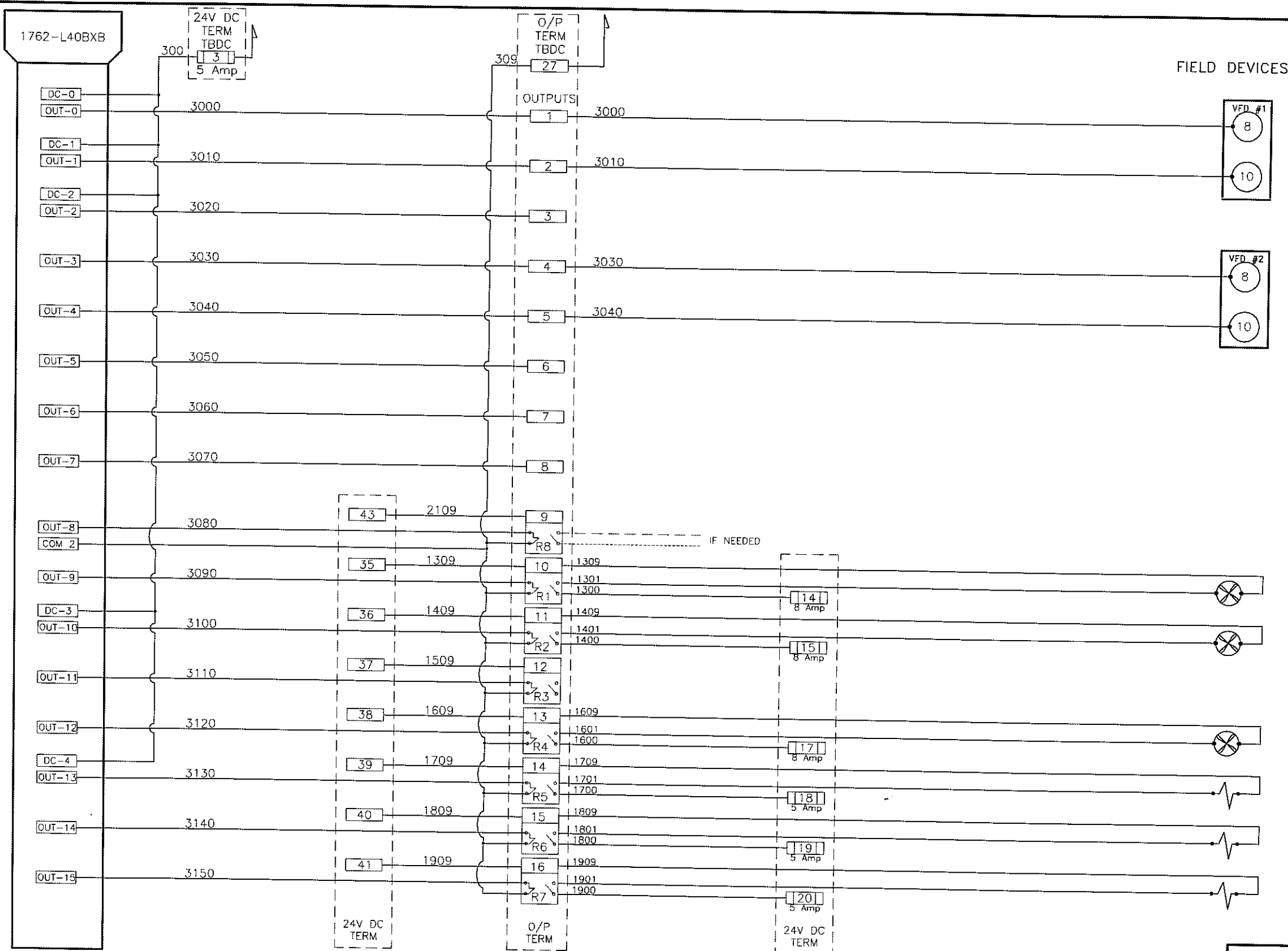
2308-8th Street
Nisku Alberta
T9C 7Z2

Office: 780.955.4292
Fax: 780.955.4294
Toll Free: 866.555.4292

PC JOB NO.:
1-702

PC Unit NO.:
SAA-07165

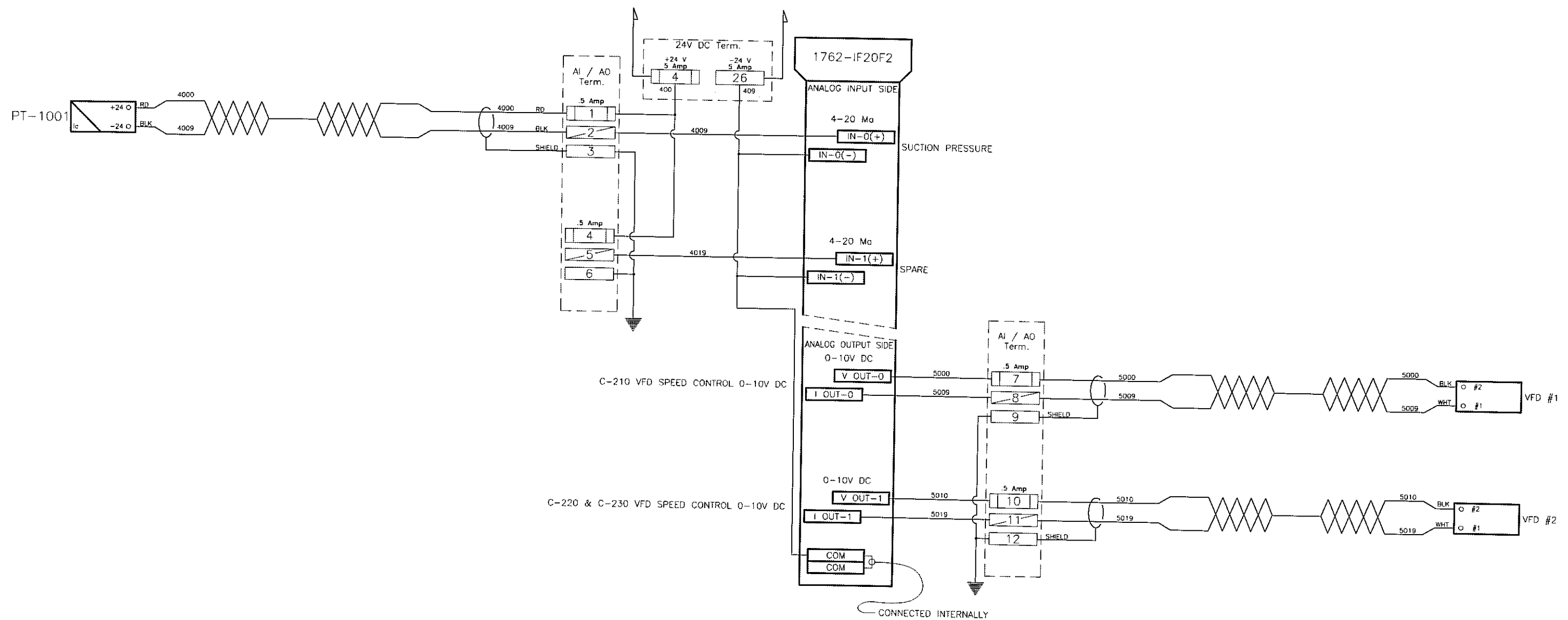
PYRAMID
CORPORATION


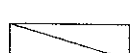



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										V.F.D. PC COMPRESSOR TWO OR THREE SCROLL DRIVE											
										PANEL LAYOUT											
										COMMANDER SE											
DWGNO		1		05-28-07		AS BUILT		PCCT		DRAWN		BY		CHECKED		SCALE		REVISIONS		REV.	
REFERENCE DRAWINGS		REV.		DATE		DESCRIPTION		BY		ATP.D.		DATE		JOB #		PC072705-00-0006				01	

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 FUSED TERMINAL
 DISCONNECT TERMINAL
 TERMINAL

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REV.	DATE	DESCRIPTION	BY	APPD.	DATE	TIME	DATE	TIME	DATE
1	05-28-07	AS BUILT	PCCI		July 27/2005				
V.F.D. PC COMPRESSOR TWO OR THREE SCROLL DRIVE					PC072705-00-0007				
PANEL LAYOUT					01				




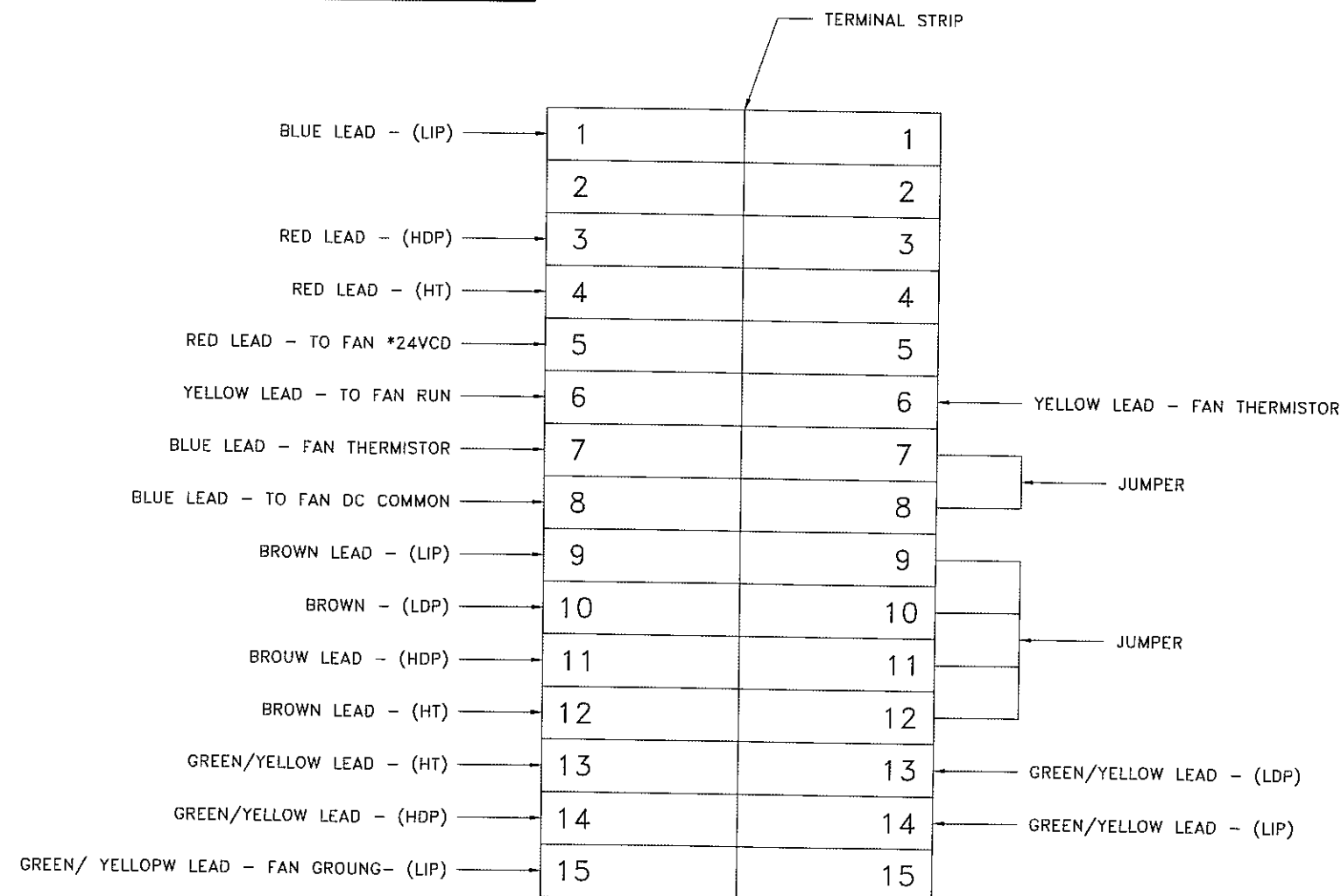
2308-8th Street
Nisku, Alberta
T9E 7Z2

Office: 780.955.4292
Fax: 780.955.4294
Toll Free: 866.955.4292

PC JOB NO.:
1-702

PC Unit NO.:
SAA-07165





052-1365-00



PC JOB NO.: 1-702	PC Unit NO.: SAA-07165
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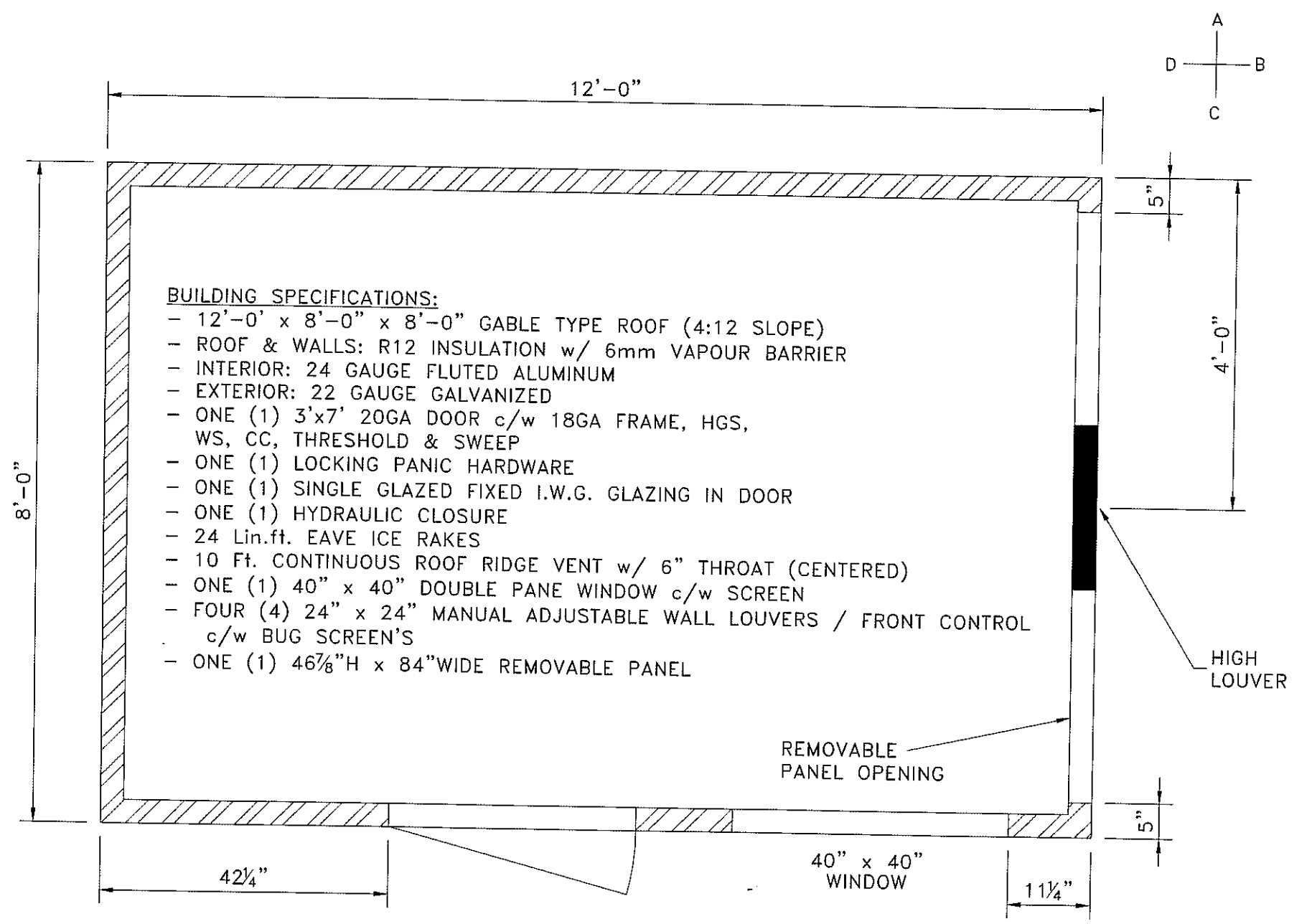
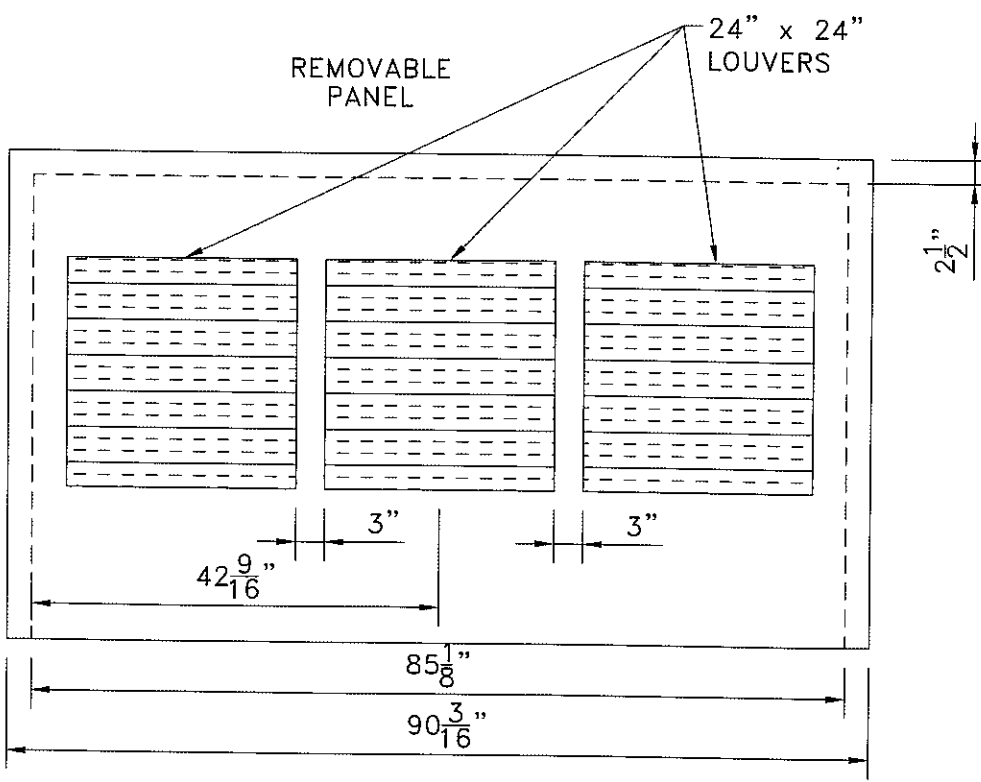
COPELAND
CORPORATION

Confidential

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					V.F.D. PC COMPRESSOR TWO OR THREE SCROLL DRIVE
					PANEL LAYOUT COMMANDER SE
DWG NO.	REV.	DATE	DESCRIPTION	BY	APP'D
SOURCE DRAWING	1	05-28-07	AS BUILT	JGF.	CHKD.
				DATE	REV.
				09-14-04	1
					log # -
					052-1365-00

P:\PC Compression\Drafting\Work-Internal\1-702 SAA-07165 SAA-222-LP Husky AB\H-BLD-SAA07165 AB.dwg, Building Plan View, 5/28/2007 8:19:45 AM, scottpc, This drawing is the Property of PC Compression Inc. It may not be

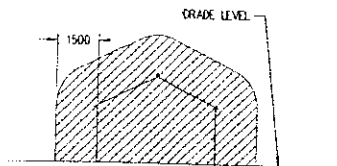


PLAN VIEW
SCALE 1:20

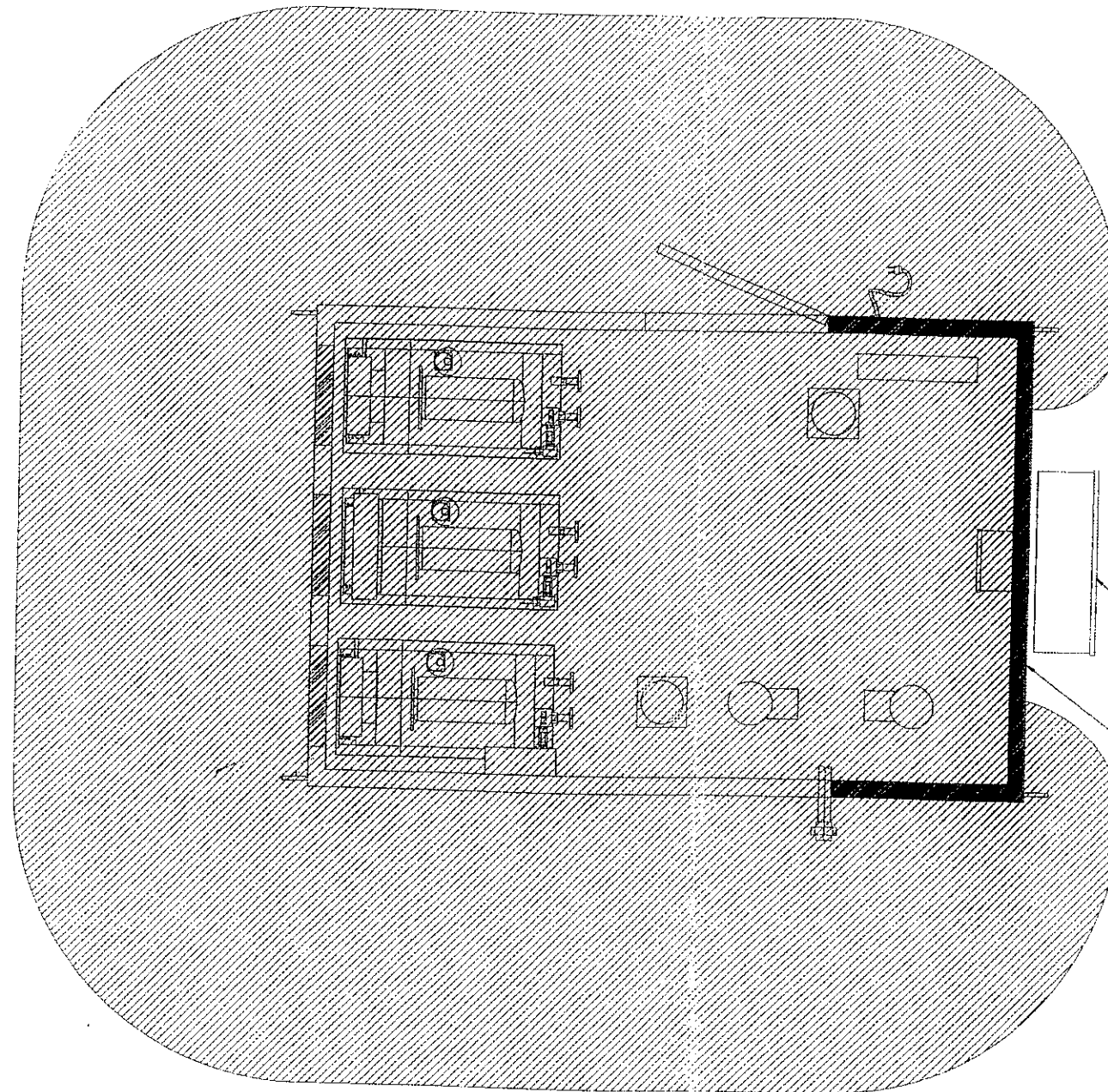
REV.				AS BUILT				SDC 05-28-07				2308-8th Street Nisku Alberta T9E 7Z2				Office: 780.955.4292 Fax: 780.955.4294 Toll Free: 866.955.4292				Drawn by: DTL Date: 08-18-04 Checked by: SDC Approved by: BT				222 LP SAA-SCROLL SERIES SZ022C3A w/ DESICCANT TOWERS SKID MOUNTED, SWEET SERVICE				HUSKY ENERGY				Quote/Ref. NO.: JOB NO.: 1-702 Unit NO.: SAA-07165 Drawing NO.: BLD-SAA07165-H-01 Rev.: 1							
				DESCRIPTION				BY				DATE				CHKD				APPD				Scale: 1:20															

	CLASS I, ZONE 0
	CLASS I, ZONE 1
	CLASS I, ZONE 2
	CLASS I, ZONE 2 UP TO 450mm ABOVE GRADE FOR HEAVIER THAN AIR GASES
	NON HAZARDOUS

CLASSIFICATION LEGEND



STANDARD MULTIPACK SCROLL BOOSTER COMPRESSOR BUILDING



VFD / CONTROL PANEL

NOTE 2

NOTES:

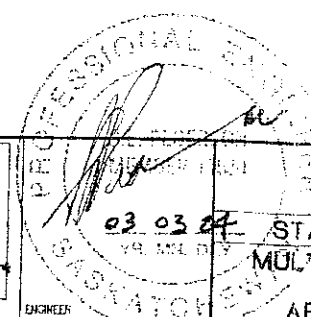
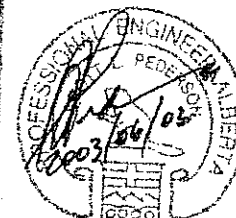
- THE INTERIOR OF THE COMPRESSOR BUILDING HAS BEEN CLASSIFIED AS CLASS I, ZONE 2 OR DIVISION 2 BASED ON A FUGITIVE EMISSIONS STUDY DATED 02/12/23, RAMCO PROJECT # 22347. ADEQUATE VENTILATION IS PROVIDED BY NATURAL MEANS, BECAUSE THE GAS PRESENT IN THIS BUILDING IS ESSENTIALLY RAW NATURAL GAS. EQUIPMENT SUITABLE FOR GAS GROUP IIA OR IIB IS ACCEPTABLE. INSTALLED EQUIPMENT MUST HAVE A MAXIMUM SURFACE TEMPERATURE LESS THAN 482°C OR HAVE A T1 (OR LOWER) TEMPERATURE CODE.
- SUMMARY OF CONDITIONS:
THE CLASS I, DIVISION 2, OR ZONE 2, AREA CLASSIFICATION ASSIGNED TO THE INTERIOR OF THE COMPRESSOR BUILDING ON THIS SITE IS SUBJECT TO THE FOLLOWING CONDITIONS. IF THESE CONDITIONS ARE NOT MET, THE AREA CLASSIFICATION SHOWN ON THIS DRAWING WILL REVERT TO CLASS I, DIVISION 1 OR ZONE 1.
 - THE VENTILATION DEVICES MAY BE SHUT BUT MAY NOT BE CLOSED OFF OR REMOVED. IF CHANGES, WHICH WILL REDUCE THE VENTILATION RATE IN THE BUILDING ARE REQUIRED, THE EFFECT ON THE CONCENTRATION OF FUGITIVE EMISSIONS IN THE BUILDING MUST BE EVALUATED BY CALCULATIONS OR MONITORING.
 - PROCEDURE OR CONTROLS MUST BE IN PLACE TO ENSURE ABNORMAL SITUATIONS RESULTING IN COMBUSTIBLE CONCENTRATIONS OF GAS DO NOT PERSIST FOR MORE THAN 10 HOURS PER YEAR.
 - THE FACILITIES ARE MAINTAINED IN A MANNER THAT WILL ENSURE SIGNIFICANT LEVELS OF COMBUSTIBLE GAS (ABOVE 1-5% OF THE LEL) DO NOT EXIST UNDER NORMAL OPERATING CONDITIONS.
 - IT IS RECOMMENDED THAT COMBUSTIBLE GAS DETECTION SYSTEMS BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR IN ACCORDANCE WITH ANSI/ISA RECOMMENDED PRACTICE 12.13, PART II, INSTALLATION, OPERATION AND MAINTENANCE OF COMBUSTIBLE GAS DETECTION INSTRUMENTS.
- SECTION OF BUILDING WALL MUST BE VAPOR BARRIERS AND SEALED. ELECTRICAL CONDUITS THAT PENETRATE THIS PORTION OF WALL MUST BE SEALED BOTH INSIDE THE CONDUIT AND AROUND THE WALL PENETRATION. NO CONDUIT SHALL PENETRATE THE BUILDING WALL STRAIGHT FROM THE BACK OF THE CONTROL PANEL.

PERMIT TO PRACTICE
RAMCO ELECTRICAL CONSULTING LTD.

Signature

Date 2003/06/03

PERMIT # 6426
The Association of Professional Engineers
Geologists and Geophysicists of Alberta



NUMBER	REFERENCE DRAWING TITLE	REV	Y	M	D	ISSUE/REVISION DESCRIPTION	DRN	DES	CHK	ENG
PC120-042	PC COMPRESSIONS INC. - 6'X12' SKID ARRANGEMENT	2	03	03	21	ISSUED FOR AREA CLASSIFICATION				

Ramco
Electrical
Consulting Ltd.

ASSOCIATION OF PROFESSIONAL ENGINEERS
& GEOSCIENTISTS OF SASKATCHEWAN
CERTIFICATE OF AUTHORIZATION
RAMCO ELECTRICAL CONSULTING LTD.
CIESB
PERMISSION TO CONSULT HELD BY
DISCIPLINE: ELEC. SASK. REG. NO. 11620

PC COMPRESSION INC.

STANDARD - COMPRESSOR
MULTIPACK SCROLL BOOSTER COMP.
STANDARD MODEL
AREA CLASSIFICATION DRAWING

PROJECT NO.	22347
DWG DATE	03/03/24
DRAWN BY	V. YOUNG
APPROVED BY	S. PETERSON
DWG SCALE	1:15
PLOTTING RATIO	1:15
COMPUTER FILE NO.	2347E100
OLD DWG NO.	NONE
DWG NO.	
REV	

A1-22347-E100 0

ROTATING EQUIPMENT COMPRESSORS

Data Collected By: _____		Entry Date: _____		Package ID # I-702	
Equipment Class _____		Purchase Order # 4500184872			
Equipment Description: COMPRESSOR ASSEMBLY			Tag No. CA-210		
Facility: _____					
Location: LSD	▼ Sec	▼ Twp	▼ Rge	▼ W/	▼
Cost Center: _____		Acquis Value _____		Acquis Date _____	
Equipment Status: _____		Ownership Status _____		▼	
Manufacturer: COPELAND SCROLL		Year Built 2007			
Equipment Condition: ▼		Model No. SZ022C3A-EDE-234		Serial No. 07DA3042	
Construction: _____		QPS CERTIFIED: QCC-21386			
Skid Weight: _____		Skid Size _____		(w x l x h)	
Common Characteristics					
Fluid Description NG		Service Sweet		Driven By _____	
Rotation ▼ (viewed from Drive End)		# Stages _____		▼	
Design Cap. _____		Des.Suct. 2" WC - 10		psig ▼ Des.Disch 215 psig ▼	
Frame HP Rtg _____		Frame Max Speed 3500 RPM			
Additional Characteristics for Reciprocating Compressors					
# Throws _____		Cylinder #1 _____		Cylinder #2 _____	
		Cylinder #3 _____		Cylinder #4 _____	
Additional Characteristics for Rotary Compressors					
Rotary Comp Type _____		▼			
Csg MAWP _____		Csg Mat'l _____			
Additional Characteristics for Centrifugal Compressor and Turbo Expander					
Casing Type _____		▼			
Csg MAWP _____		Csg Mat'l _____			
Material Transfer Information					
Transfer Recorded By: _____		Date _____			
From LSD	▼ Sec	▼ Twp	▼ Rge	▼ W/	▼
Transfer Yard _____					
To LSD	▼ Sec	▼ Twp	▼ Rge	▼ W/	▼
Facility _____				Receiving AFE: _____	
Additional Notes					

Ensure Package ID Number is Identified on ALL Individual Equipment Item Templates

ROTATING EQUIPMENT COMPRESSORS

Data Collected By: _____		Entry Date: _____		Package ID # <u>I-702</u>	
Equipment Class _____		Purchase Order # <u>4500184872</u>			
Equipment Description: <u>COMPRESSOR ASSEMBLY</u>			Tag No. <u>CA-220</u>		
Facility: _____					
Location: <u>LSD</u>	▼	Sec _____	▼	Twp _____	▼
Rge _____		▼		W/ _____	
Cost Center: _____		Acquis Value _____		Acquis Date _____	
Equipment Status: _____		▼		Ownership Status _____	
Manufacturer: <u>COPELAND SCROLL</u>		Year Built <u>2007</u>			
Equipment Condition: _____		▼		Model No. <u>SZ022C3A-EDE-234</u>	
		Serial No. <u>07DA3045</u>			
Construction: _____		▼		QPS CERTIFIED: <u>QCC-21391</u>	
Skid Weight: _____		▼		Skid Size _____ (w x l x h)	
Common Characteristics					
Fluid Description <u>NG</u>		Service <u>Sweet</u>		Driven By _____	
Rotation _____		(viewed from Drive End)		# Stages _____	
Design Cap. _____		▼		Des.Suct. <u>2" WC - 10</u> psig	
		Des.Disch _____		<u>215</u> psig	
Frame HP Rtg _____		▼		Frame Max Speed <u>3500</u> RPM	
Additional Characteristics for Reciprocating Compressors					
# Throws _____		Cylinder #1 _____		Cylinder #2 _____	
		Cylinder #3 _____		Cylinder #4 _____	
Additional Characteristics for Rotary Compressors					
Rotary Comp Type _____		▼			
Csg MAWP _____		Csg Mat'l _____			
Additional Characteristics for Centrifugal Compressor and Turbo Expander					
Casing Type _____		▼			
Csg MAWP _____		Csg Mat'l _____			
Material Transfer Information					
Transfer Recorded By: _____		Date _____			
From <u>LSD</u>	▼	Sec _____	▼	Twp _____	▼
Rge _____		▼		W/ _____	
Transfer Yard _____					
To <u>LSD</u>	▼	Sec _____	▼	Twp _____	▼
Rge _____		▼		W/ _____	
Facility _____		Receiving AFE: _____			
Additional Notes					

Ensure Package ID Number is Identified on ALL Individual Equipment Item Templates

PRESSURE VESSELS

Data Collected By: _____		Entry Date: _____		Package ID # I-702	
Equipment Class Separator ▼		Purchase Order # 4500184872			
Equipment Description INLET SEPERATOR			Tag No. V-110		
Facility: _____					
Location: LSD ▼ S ▼ Twp ▼ Rge ▼ W/ ▼					
Cost Center: _____		Acquis Value _____		Acquis Date _____	
Equipment Status: _____ ▼		Ownership Status _____ ▼			
Manufacturer: LO TECH MANUFACTURING		Year Built 2007			
Equipment Condition: _____ ▼		Model No. _____		Serial No. 8600-350	
Construction: _____ ▼					
Skid Weight: _____ ▼		Skid Size _____ (w x l x h)			
Common Characteristics					
Fluid Description: NATURAL GAS		Service Sweet ▼		Code Stamp _____ ▼	
Prov. Reg. No.(A#): _____		CRN OH5415.21345		# Phases 2	
Shell MAWP: 600 psig ▼		@maxTemp 650 °F ▼		MDMT -20 °F ▼	
Shell Mat'l: SA-106 B		Shell Thick 0.322 in ▼		Shell CA 0.0625 in ▼	
Head Mat'l: SA-234 WPB		Head Thick 0.322 in ▼		Head CA 0.0625 in ▼	
Nozzle Type: H CPLG		Nozzle Rtg 3000#		Ansi	
Nozzle Mat'l: SA-105 N		Nozzle Thick _____ ▼		Nozzle CA _____ ▼	
X-Ray: _____ ▼		# Manways _____		# Inspection Ports _____	
Volume: _____ ▼		Design Flow _____ ▼		Stress Relief _____ ▼	
Diameter: 8.625 in ▼		Length/Height 48 in ▼			
Support Type: Skirt ▼				Orientation Vertical ▼	
Internal Coating: N ▼		Internal Coating /Cladding Type _____			
Insulated: N ▼		Insulation Thickness _____ ▼		Painted / Primed N ▼	
Internals					
Component Type: _____		Manufacturer _____		Model _____	
Component Mat'l: _____		Component Size _____		Component CA _____ ▼	
Removable: _____ ▼					
Additional Characteristics for Treaters					
Treater Type _____		Desand System _____ ▼			
# Firetubes _____		Firetube S/N _____		Firetube Rating _____ ▼	
Material Transfer Information					
Transfer Recorded By: _____					Date _____
From LSD ▼ S ▼ Twp ▼ Rge ▼ W/ ▼					
Transfer Yard _____					
To LSD ▼ S ▼ Twp ▼ Rge ▼ W/ ▼					
Facility _____			Receiving AFE: _____		
Additional Notes					

Ensure Package ID Number is Identified on ALL Individual Equipment Item Templates

RECEIVED APR 05 2007

Certificate Of Compliance

SCRUBBER

I Hereby Certify That The Below Registered Category "H" Pressure Fitting Has Been Designed, Manufactured, and Pressure Tested In Accordance With The Alberta Safety Codes Act, CSA B51 And ASME Section VIII, Division 1, 2004 Edition, 2006 Addenda.

CRN	0H5415.21345		
S/N	8600.350		
Diameter	8.625	Inches	Overall Length 56 Inches
Year Built	2007		
MAWP	600	PSIG	@ 650 °F
MDMT	-20 °F		
C.A.	0.0625	Inches	
Radiography	N/A		
PWHT : Time	N/A	min.	Temp. N/A °F
Hydro Tested @	780	PSIG	


Quality Control Manager
BJ SYLYSKI

April 4, 2007

PRESSURE VESSELS

Data Collected By: _____		Entry Date: _____		Package ID # I-702	
Equipment Class Separator ▼		Purchase Order # 4500184872			
Equipment Description DISCHARGE SCRUBBER			Tag No. V-120		
Facility: _____					
Location: LSD ▼ S ▼ Twp ▼ Rge ▼ W/ ▼					
Cost Center: _____		Acquis Value _____		Acquis Date _____	
Equipment Status: _____ ▼		Ownership Status _____ ▼			
Manufacturer: LO TECH MANUFACTURING		Year Built 2007			
Equipment Condition: _____ ▼		Model No. _____		Serial No. 8600.211	
Construction: _____ ▼					
Skid Weight: _____ ▼		Skid Size _____ (w x l x h)			
Common Characteristics					
Fluid Description: NATURAL GAS		Service Sweet ▼		Code Stamp _____ ▼	
Prov. Reg. No.(A#): _____		CRN OH5415.21345		# Phases 2	
Shell MAWP: 600 psig ▼		@maxTemp 650 °F ▼		MDMT -20 °F ▼	
Shell Mat'l: SA-106 B		Shell Thick 0.322 in ▼		Shell CA 0.0625 in ▼	
Head Mat'l: SA-234 WPB		Head Thick 0.322 in ▼		Head CA 0.0625 in ▼	
Nozzle Type: T.O.L.		Nozzle Rtg 3000#		Ansi	
Nozzle Mat'l: SA-105 N		Nozzle Thick _____		Nozzle CA _____ ▼	
X-Ray: _____ ▼		# Manways _____		# Inspection Ports _____	
Volume: _____ ▼		Design Flow _____ ▼		Stress Relief _____ ▼	
Diameter: 8.625 in ▼		Length/Height 48 in ▼			
Support Type: Skirt ▼		Orientation Vertical ▼			
Internal Coating: N ▼		Internal Coating /Cladding Type _____			
Insulated: N ▼		Insulation Thickness _____ ▼		Painted / Primed N ▼	
Internals					
Component Type: _____		Manufacturer _____		Model _____	
Component Mat'l: _____		Component Size _____		Component CA _____ ▼	
Removable: _____ ▼					
Additional Characteristics for Treaters					
Treater Type _____		Desand System _____ ▼			
# Firetubes _____		Firetube S/N _____		Firetube Rating _____ ▼	
Material Transfer Information					
Transfer Recorded By: _____					Date _____
From LSD ▼ S ▼ Twp ▼ Rge ▼ W/ ▼					
Transfer Yard _____					
To LSD ▼ S ▼ Twp ▼ Rge ▼ W/ ▼					
Facility _____			Receiving AFE: _____		
Additional Notes					

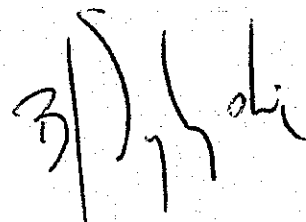
Ensure Package ID Number is Identified on ALL Individual Equipment Item Templates

Certificate Of Compliance

RECEIVED AUG 10 2006

I Hereby Certify That The Below Registered Category "H" Pressure Fitting Has Been Designed, Manufactured, and Pressure Tested In Accordance With The Alberta Safety Codes Act, CSA B51 And ASME Section VIII, Division 1, 2004 Edition, 2005 Addenda.

CRN	0H5415.213		
S/N	8600.211 ✓		
Diameter	8.625	Inches	Overall Length 56 Inches
Year Built	2006		
MAWP	600	PSIG	@ 650 °F
MDMT	-20 °F		
C.A.	0.0625	Inches	
Radiography	N/A		
PWHT :	Time	N/A min.	Temp. N/A °F
Hydro Tested	@	900 PSIG	



Quality Control Manager
BJ SYLYSKI

August 9, 2006

PRESSURE VESSELS

Data Collected By:		Entry Date:		Package ID # I-702	
Equipment Class		Purchase Order # 4500184872			
Equipment Description		RIGHT DRYING TOWER		Tag No. V-140	
Facility:					
Location: LSD		S		Twp	
Cost Center:		Acquis Value		Acquis Date	
Equipment Status:		Ownership Status			
Manufacturer:		LO TECH MANUFACTURING		Year Built 2007	
Equipment Condition:		Model No.		Serial No. 8600.336	
Construction:					
Skid Weight:		Skid Size		(w x l x h)	
Common Characteristics					
Fluid Description:		NATURAL GAS		Service Sweet	
Prov. Reg. No.(A#):		CRN		OH5415.21345	
Shell MAWP:		600 psig		@maxTemp 650 °F	
Shell Mat'l:		SA-106 B		Shell Thick 0.322 in	
Head Mat'l:		SA-234 WPB		Head Thick 0.322 in	
Nozzle Type:		T.O.L.		Nozzle Rtg CL 3000 Ansi	
Nozzle Mat'l:		SA-105 N		Nozzle Thick	
X-Ray:		# Manways		# Inspection Ports	
Volume:		Design Flow		Stress Relief	
Diameter:		8.625 in		Length/Height 48 in	
Support Type:		Other		Orientation Vertical	
Internal Coating:		N		Internal Coating /Cladding Type	
Insulated:		N		Insulation Thickness	
Internals		Painted / Primed		N	
Component Type:		Manufacturer		Model	
Component Mat'l:		Component Size		Component CA	
Removable:					
Additional Characteristics for Treaters					
Treater Type		Desand System			
# Firetubes		Firetube S/N		Firetube Rating	
Material Transfer Information					
Transfer Recorded By:		Date			
From		LSD		S	
Transfer Yard		Twp		Rge	
To		LSD		S	
Facility		Twp		Rge	
Receiving AFE:					
Additional Notes					
DRYING MEDIA: ACTIVATED ALUMINA SOLID (1/16 DIA.)					

Ensure Package ID Number is Identified on ALL Individual Equipment Item Templates

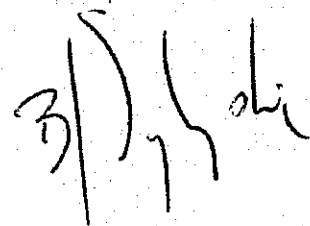
RECEIVED APR 05 2007

Certificate Of Compliance

BULEY

I Hereby Certify That The Below Registered Category "H" Pressure Fitting Has Been Designed, Manufactured, and Pressure Tested In Accordance With The Alberta Safety Codes Act, CSA B51 And ASME Section VIII, Division 1, 2004 Edition, 2006 Addenda.

CRN	0H5415.21345				
S/N	8600.336				
Diameter	8.625	Inches	Overall Length	56	Inches
Year Built	2007				
MAWP	600	PSIG	@	650	°F
MDMT	-20 °F				
C.A.	0.0625	Inches			
Radiography	N/A				
PWHT :	Time	N/A	min.	Temp.	N/A °F
Hydro Tested	@	780	PSIG		



Quality Control Manager
BJ SYLYSKI

April 3, 2007

PRESSURE VESSELS

Data Collected By:		Entry Date:		Package ID # I-702	
Equipment Class		Filter		Purchase Order # 4500184872	
Equipment Description LEFT DRYING TOWER				Tag No. V-130	
Facility:					
Location: LSD		S		Twp	
Cost Center:		Acquis Value		Acquis Date	
Equipment Status:		Ownership Status			
Manufacturer: LO TECH MANUFACTURING		Year Built 2007			
Equipment Condition:		Model No.		Serial No. 8600.341	
Construction:					
Skid Weight:		Skid Size		(w x l x h)	
Common Characteristics					
Fluid Description: NATURAL GAS		Service Sweet		Code Stamp	
Prov. Reg. No.(A#):		CRN OH5415.21345		# Phases 2	
Shell MAWP: 600 psig		@maxTemp 650 °F		MDMT -20 °F	
Shell Mat'l: SA-106 B		Shell Thick 0.322 in		Shell CA 0.0625 in	
Head Mat'l: SA-234 WPB		Head Thick 0.322 in		Head CA 0.0625 in	
Nozzle Type: T.O.L.		Nozzle Rtg 3000#		Ansi	
Nozzle Mat'l: SA-105 N		Nozzle Thick		Nozzle CA	
X-Ray:		# Manways		# Inspection Ports	
Volume:		Design Flow		Stress Relief	
Diameter: 8.625 in		Length/Height 48 in		Orientation Vertical	
Support Type: Other		Internal Coating /Cladding Type			
Internal Coating: N		Insulation Thickness		Painted / Primed N	
Internals					
Component Type:		Manufacturer		Model	
Component Mat'l:		Component Size		Component CA	
Removable:					
Additional Characteristics for Treater					
Treater Type		Desand System			
# Firetubes		Firetube S/N		Firetube Rating	
Material Transfer Information					
Transfer Recorded By:				Date	
From LSD		S		Twp	
Transfer Yard		Rge		W/	
To LSD		S		Twp	
Facility		Rge		W/	
Receiving AFE:					
Additional Notes					
DRYING MEDIA: ACTIVATED ALUMINA SOLID (1/16 DIA.)					

Ensure Package ID Number is Identified on ALL Individual Equipment Item Templates

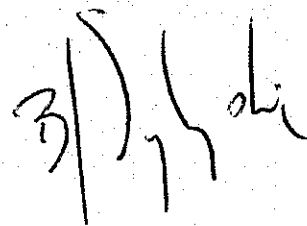
Certificate Of Compliance

RECEIVED APR 05 2007

BULLET

I Hereby Certify That The Below Registered Category "H" Pressure Fitting Has Been Designed, Manufactured, and Pressure Tested In Accordance With The Alberta Safety Codes Act, CSA B51 And ASME Section VIII, Division 1, 2004 Edition, 2006 Addenda.

CRN	0H5415.21345				
S/N	8600.341				
Diameter	8.625	Inches	Overall Length	56	Inches
Year Built	2007				
MAWP	600	PSIG	@	650	°F
MDMT	-20 °F				
C.A.	0.0625	Inches			
Radiography	N/A				
PWHT : Time	N/A	min.	Temp.	N/A	°F
Hydro Tested @	780	PSIG			



Quality Control Manager
BJ SYLYSKI

April 3, 2007

Valve, Piping and Fitting

Data Collected By: _____		Entry Date: _____		Package ID # I-702	
Equipment Class _____		Purchase Order # 4500184872			
Equipment Description: PRESSURE SAFETY VALVE		Tag No. PSV-1101			
Facility: _____					
Location: LSD _____ Sec _____ Twp _____ Rge _____ W/ _____					
Cost Center: _____		Acquis Value _____		Acquis Date _____	
Equipment Status: _____		Ownership Status _____			
Manufacturer: MERCER VALVE CANADA		Year Built 2007			
Equipment Condition: _____		Model No. 9117D501V06E1		Serial No. 219206	
Construction: _____					
Skid Weight: _____		Skid Size _____		(w x l x h)	
Common Characteristics					
Fluid Description NATURAL GAS		Service Sweet _____		Pressure Rating _____ Ansi	
CRN OG8841.5C		Code Stamp U _____		PP# _____	
Piping Body Material _____		Sched. Thick _____		C.A. _____	
Nominal Size _____		Internal Coating _____		Painted/Primed _____	
Additional Characteristics for ESD Valve, Choke and Specialty Valve					
Design Valve Type _____					
MAWP _____		@Max Temp. _____		MDMT _____	
Trim _____		Internal Material _____		Actuator Type _____	
Fire Safe _____		WT Thickness _____		Bonnet Design _____	
Additional Characteristics for Safety Valves					
Capacity 228 SCFM _____		Service Date _____			
Set Press. 100 psig _____		Pop Press. _____		Back Pressure _____	
Inlet Size 1 in _____		Outlet Size 1 in _____		Bonnet Design _____	
Inlet Connection M NPT		Outlet Connection F NPT		Trim Material STANDARD	
Equip. Protected V-110		S/N 8600-350		AND PIPING	
Equip. Protected P-610		S/N 1517875		AND PIPING	
Equip. Protected _____		S/N _____			
Equip. Protected _____		S/N _____			
Additional Characteristics for Rupture Disc					
Rupture Pressure _____		Capacity _____			
Disc Mat'l _____		Equipment Protected _____		S/N _____	
		Equipment Protected _____		S/N _____	
Additional Characteristics for Piping and Manifold					
Design Pressure _____					
# Inlets _____		Inlet Diameter _____		Inlet Connection _____	
# Outlets _____		Outlet Diameter _____		Outlet Connection _____	
Additional Characteristics for Meter Run					
Type _____		Recorder Man. _____		Equiped with SCADA _____	
Chart Recorder _____		Straighting Vanes _____			
Material Transfer Information					
Transfer Recorded By: _____					
From LSD _____ Sec _____ Twp _____ Rge _____ W/ _____		Date _____			
Transfer Yard _____					
To LSD _____ Sec _____ Twp _____ Rge _____ W/ _____					
Facility _____		Receiving AFE _____			
Additional Notes					



UNIFIED
VALVE LTD.

MERCER VALVE INSPECTION AND TEST REPORT

BRANCH: Edmonton

Serial #: 219206 ✓

Work Order: 409196 ✓

Customer PO#: 508127 ✓

Date: 3/28/2007

Customer: PC COMPRESSION

Facility: NISKU

LSD:

PSV Location:

A#:

Cust Id:

Cust. Ref.:

Valve PO: 508127

VALVE DATA

Man.: Mercer

Model: 9117D51V06E1

Serial: 219206

Conn: Threaded

Inlet: 1 inch MNPT

Orifice: .122

Outlet: 1 inch FNPT

Set Pres: 100 PSI ✓

Back Press: 0 PSI

Temp: 70 F

Cold/Diff Set Press: PSI

Cap: 228 SCFM ✓

Lift Lever: ☐

Cap Assembly: Closed

Trim: Standard

Code Symbol: UV

CRN#: OG8841.5C

CUSTOMER INSTRUCTIONS

Valve Instruct. Factory Set

Instructions: Sold New Valve

Reset Required? ☐

RESET INFORMATION: New Pressure:

New Cold/Diff Set:

New Capacity:

COMPONENTS INSPECTION

Components Installed

Components Removed

New Model #:

Spring #: 05-006

New Inlet Size:

Trim: Standard

Valve Medium: Gas / Air

Temperature: 70 F

Disassembly:

Inspection: Richard Anderson

Reassembly:

FINAL TEST:

Test Medium:

Simmer:

Set Pressure:

Reseat:

Leakage: BPM

B.P. Test:

Cold/Diff Set:

Test Gauge:

Tested by:

FINAL INSPECTION:

SEAL Installed: ☒

End Protectors Installed: ☒

Painted: ☐

Palletized: ☐

Ship Container: ☒

Flex Gaskets Supplied: ☐

Final Inspection: Richard Anderson

Customer Inspection

INSPECTION ID#: 9588

Comments:

Valve, Piping and Fitting

Data Collected By: _____		Entry Date: _____		Package ID # I-702	
Equipment Class _____		Purchase Order # 4500184872			
Equipment Description: PRESSURE SAFETY VALVE		Tag No. PSV-1201			
Facility: _____					
Location: LSD _____ Sec _____ Twp _____ Rge _____ W/ _____					
Cost Center: _____		Acquis Value _____		Acquis Date _____	
Equipment Status: _____		Ownership Status _____			
Manufacturer: MERCER VALVE CANADA		Year Built 2007			
Equipment Condition: _____		Model No. 9117D51V07E1		Serial No. C000127	
Construction: _____					
Skid Weight: _____		Skid Size _____		(w x l x h)	
Common Characteristics					
Fluid Description NATURAL GAS		Service Sweet _____		Pressure Rating _____ Ansi	
CRN OG8841.5C		Code Stamp U _____		PP# _____	
Piping Body Material _____		Sched. Thick _____		C.A. _____	
Nominal Size _____		Internal Coating _____		Painted/Primed _____	
Additional Characteristics for ESD Valve, Choke and Specialty Valve					
Design Valve Type _____					
MAWP _____		@Max Temp. _____		MDMT _____	
Trim _____		Internal Material _____		Actuator Type _____	
Fire Safe _____		WT Thickness _____		Bonnet Design _____	
Additional Characteristics for Safety Valves					
Capacity 329 SCFM _____		Service Date _____			
Set Press. 150 psig _____		Pop Press. _____		Back Pressure _____	
Inlet Size 1 in _____		Outlet Size 1 in _____		Bonnet Design _____	
Inlet Connection M NPT		Outlet Connection F NPT		Trim Material STANDARD	
Equip. Protected V-120		S/N 8600.211		AND PIPING	
Equip. Protected E-510		S/N 512033039		AND PIPING	
Equip. Protected F-810		S/N _____		AND PIPING	
Additional Characteristics for Rupture Disc					
Rupture Pressure _____		Capacity _____			
Disc Mat'l _____		Equipment Protected _____		S/N _____	
		Equipment Protected _____		S/N _____	
Additional Characteristics for Piping and Manifold					
Design Pressure _____					
# Inlets _____		Inlet Diameter _____		Inlet Connection _____	
# Outlets _____		Outlet Diameter _____		Outlet Connection _____	
Additional Characteristics for Meter Run					
Type _____		Recorder Man. _____		Equiped with SCADA _____	
Chart Recorder _____		Straighting Vanes _____			
Material Transfer Information					
Transfer Recorded By: _____					
From LSD _____ Sec _____ Twp _____ Rge _____ W/ _____		Date _____			
Transfer Yard _____					
To LSD _____ Sec _____ Twp _____ Rge _____ W/ _____					
Facility _____		Receiving AFE _____			
Additional Notes					



UNIFIED
VALVE LTD.

MERCER VALVE INSPECTION AND TEST REPORT

BRANCH: Edmonton

Serial #: C000127 ✓

Work Order: 409196 ✓

Customer PO#: 508127 ✓

Date: 3/28/2007

Customer: PC COMPRESSION

Facility: NISKU

LSD:

PSV Location:

A#:

Cust Id:

Cust. Ref.:

Valve PO: 508127

VALVE DATA

Man.: Mercer

Model: 9117D51V07E1

Serial: C000127

Conn: Threaded ✓

Inlet: 1 inch MNPT

Orifice: .122

Outlet: 1 inch FNPT

Set Pres: 150 PSI ✓

Back Press: 0 PSI

Temp: 70 F

Cold/Diff Set Press: PSI

Cap: 329 SCFM ✓

Lift Lever: ☐

Cap Assembly: Closed

Trim: Standard

Code Symbol: UV

CRN#: OG8841.5C

CUSTOMER INSTRUCTIONS

Valve Instruct. Factory Set

Instructions: Sold New Valve

Reset Required? ☐

RESET INFORMATION: New Pressure:

New Cold/Diff Set:

New Capacity:

COMPONENTS INSPECTION

Components Installed

Components Removed

New Model #:

Spring #: 05-007

New Inlet Size:

Trim: Standard

Valve Medium: Gas / Air

Temperature: 70 F

Disassembly:

Inspection: Richard Anderson

Reassembly:

FINAL TEST:

Test Medium:

Simmer:

Set Pressure:

Reseat:

Leakage: BPM

B.P. Test:

Cold/Diff Set:

Test Gauge:

Tested by:

FINAL INSPECTION:

SEAL Installed: ☒

End Protectors Installed: ☒

Painted: ☐

Palletized: ☐

Ship Container: ☒

Flex Gaskets Supplied: ☐

Final Inspection: Richard Anderson

Customer Inspection

INSPECTION ID#: 9615

Comments:

Valve, Piping and Fitting

Data Collected By: _____		Entry Date: _____		Package ID # I-702	
Equipment Class _____		Purchase Order # 4500184872			
Equipment Description: PRESSURE SAFETY VALVE (SHIP LOOSE)		Tag No. PSV-1401			
Facility: _____					
Location: LSD	Sec	Twp	Rge	W/	
Cost Center: _____		Acquis Value _____		Acquis Date _____	
Equipment Status: _____		Ownership Status _____			
Manufacturer: MERCER VALVE CANADA		Year Built 2007			
Equipment Condition: _____		Model No. 9117D51V06E1		Serial No. C000146	
Construction: _____					
Skid Weight: _____		Skid Size _____		(w x l x h)	
Common Characteristics					
Fluid Description NATURAL GAS		Service Sweet		Pressure Rating _____ Ansi	
CRN OG8841.5C	Code Stamp U		PP# _____		
Piping Body Material _____		Sched. Thick _____		C.A. _____	
Nominal Size _____		Internal Coating _____		Painted/Primed _____	
Additional Characteristics for ESD Valve, Choke and Specialty Valve					
Design Valve Type _____					
MAWP _____	@Max Temp. _____		MDMT _____		
Trim _____	Internal Material _____		Actuator Type _____		
Fire Safe _____	WT Thickness _____		Bonnet Design _____		
Additional Characteristics for Safety Valves					
Capacity 188 SCFM	Service Date _____				
Set Press. 80 psig	Pop Press. _____		Back Pressure _____		
Inlet Size 1 in	Outlet Size 1 in		Bonnet Design _____		
Inlet Connection M NPT	Outlet Connection F NPT		Trim Material STANDARD		
Equip. Protected FE-1401	S/N X701397-1-10 AND DISCHARGE PIPING				
Equip. Protected _____	S/N _____				
Equip. Protected _____	S/N _____				
Equip. Protected _____	S/N _____				
Additional Characteristics for Rupture Disc					
Rupture Pressure _____	Capacity _____				
Disc Mat'l _____	Equipment Protected _____		S/N _____		
	Equipment Protected _____		S/N _____		
Additional Characteristics for Piping and Manifold					
Design Pressure _____					
# Inlets _____	Inlet Diameter _____		Inlet Connection _____		
# Outlets _____	Outlet Diameter _____		Outlet Connection _____		
Additional Characteristics for Meter Run					
Type _____	Recorder Man. _____		Equiped with SCADA _____		
Chart Recorder _____	Straighting Vanes _____				
Material Transfer Information					
Transfer Recorded By: _____					
From LSD	Sec	Twp	Rge	W/	Date _____
Transfer Yard _____					
To LSD	Sec	Twp	Rge	W/	
Facility _____					Receiving AFE _____
Additional Notes					



UNIFIED
VALVE LTD.

MERCER VALVE INSPECTION AND TEST REPORT

BRANCH: Edmonton

Serial #: C000146 ✓

Work Order: 409196 ✓

Customer PO#: 508127 ✓

Date: 3/28/2007

Customer: PC COMPRESSION

Facility: NISKU

LSD:

PSV Location:

A#:

Cust Id:

Cust. Ref.:

Valve PO: 508127

VALVE DATA

Man.: Mercer

Model: 9117D51V06E1

Serial: C000146

Conn: Threaded

Inlet: 1 inch MNPT

Orifice: .122

Outlet: 1 inch FNPT

Set Pres: 80 PSI ✓

Back Press: 0 PSI

Temp: 70 F

Cold/Diff Set Press: PSI

Cap: 188 SCFM ✓

Lift Lever: ☐

Cap Assembly: Closed

Trim: Standard

Code Symbol: UV

CRN#: OG8841.5C

CUSTOMER INSTRUCTIONS

Valve Instruct. Factory Set

Instructions: Sold New Valve

Reset Required? ☐

RESET INFORMATION: New Pressure:

New Cold/Diff Set:

New Capacity:

COMPONENTS INSPECTION

Components Installed

Components Removed

New Model #:

Spring #: 05-006

New Inlet Size:

Trim: Standard

Valve Medium: Gas / Air

Temperature: 70 F

Disassembly:

Inspection: Richard Anderson

Reassembly:

FINAL TEST:

Test Medium:

Simmer:

Set Pressure:

Reseat:

Leakage: BPM

B.P. Test:

Cold/Diff Set:

Test Gauge:

Tested by:

FINAL INSPECTION:

SEAL Installed: ☒

End Protectors Installed: ☒

Painted: ☐

Palletized: ☐

Ship Container: ☒

Flex Gaskets Supplied: ☐

Final Inspection: Richard Anderson

Customer Inspection

INSPECTION ID#: 9648

Comments:

Valve, Piping and Fitting

Data Collected By: _____		Entry Date: _____		Package ID # I-702	
Equipment Class _____		Purchase Order # 4500184872			
Equipment Description: PRESSURE SAFETY VALVE		Tag No. PSV-2101			
Facility: _____					
Location: LSD _____ Sec _____ Twp _____ Rge _____ W/ _____					
Cost Center: _____		Acquis Value _____		Acquis Date _____	
Equipment Status: _____		Ownership Status _____			
Manufacturer: MERCER VALVE CANADA		Year Built 2007			
Equipment Condition: _____		Model No. 9117D51V07E1		Serial No. 313673	
Construction: _____					
Skid Weight: _____		Skid Size _____		(w x l x h)	
Common Characteristics					
Fluid Description NATURAL GAS		Service Sweet _____		Pressure Rating _____ Ansi	
CRN OG8841.5C		Code Stamp U _____		PP# _____	
Piping Body Material _____		Sched. Thick _____		C.A. _____	
Nominal Size _____		Internal Coating _____		Painted/Primed _____	
Additional Characteristics for ESD Valve, Choke and Specialty Valve					
Design Valve Type _____					
MAWP _____		@Max Temp. _____		MDMT _____	
Trim _____		Internal Material _____		Actuator Type _____	
Fire Safe _____		WT Thickness _____		Bonnet Design _____	
Additional Characteristics for Safety Valves					
Capacity 329 SCFM _____		Service Date _____			
Set Press. 150 psig _____		Pop Press. _____		Back Pressure _____	
Inlet Size 1 in _____		Outlet Size 1 in _____		Bonnet Design _____	
Inlet Connection M NPT		Outlet Connection F NPT		Trim Material STANDARD	
Equip. Protected CA-210		S/N 07DA3042		AND PIPING	
Equip. Protected CA-220		S/N 07DA3045		AND PIPING	
Equip. Protected _____		S/N _____			
Equip. Protected _____		S/N _____			
Additional Characteristics for Rupture Disc					
Rupture Pressure _____		Capacity _____			
Disc Mat'l _____		Equipment Protected _____		S/N _____	
		Equipment Protected _____		S/N _____	
Additional Characteristics for Piping and Manifold					
Design Pressure _____					
# Inlets _____		Inlet Diameter _____		Inlet Connection _____	
# Outlets _____		Outlet Diameter _____		Outlet Connection _____	
Additional Characteristics for Meter Run					
Type _____		Recorder Man. _____		Equipped with SCADA _____	
Chart Recorder _____		Straighting Vanes _____			
Material Transfer Information					
Transfer Recorded By: _____					
From LSD _____ Sec _____ Twp _____ Rge _____ W/ _____		Date _____			
Transfer Yard _____					
To LSD _____ Sec _____ Twp _____ Rge _____ W/ _____					
Facility _____		Receiving AFE _____			
Additional Notes					



UNIFIED
VALVE LTD.

MERCER VALVE INSPECTION AND TEST REPORT

BRANCH: Edmonton

Serial #: 313673

Work Order: 409457

Customer PO#: 507662-00

Date: 3/8/2007

Facility: NISKU

A#:

Cust. Ref.:

LSD:

Customer: PC COMPRESSION

PSV Location:

Cust Id:

Valve PO: 507662-00

VALVE DATA

Man.: Mercer

Model: 9117D51V07E1

Serial: 313673

Corin: Threaded

Inlet: 1 inch MNPT

Orifice: .122

Outlet: 1 inch FNPT

Set Pres: 150 PSI

Back Press: 0 PSI

Temp: 70 F

Cold/Diff Set Press: PSI

Cap: 329 SCFM

Lift Lever: ☐

Cap Assembly: Closed

Trim: Standard

Code Symbol: UV

CRN#: OG8841.5C

CUSTOMER INSTRUCTIONS

Valve Instruct. Factory Set

Instructions: Sold New Valve

Reset Required? ☐

RESET INFORMATION: New Pressure:

New Cold/Diff Set:

New Capacity:

COMPONENTS INSPECTION

Components Installed

Components Removed

New Model #:

Trim: Standard

Disassembly:

Spring #: 05-007

Valve Medium: Gas / Air

Inspection: Richard Anderson

PC COMPRESSION	
DATE	RECEIVED MAR 13 2007
P.O. #	507662-00 JW
SIGNATURE	He
New Inlet Size:	
Temperature:	70 F
Reassembly:	APPROVED BY Q.C. INSPECTOR

FINAL TEST:

Test Medium:

Simmer:

Set Pressure:

Reseat:

Leakage: BPM

B.P. Test:

Cold/Diff Set:

Test Gauge:

Tested by:

FINAL INSPECTION:

SEAL Installed: ☒

End Protectors Installed: ☒

Painted: ☐

Palletized: ☐

Ship Container: ☒

Flex Gaskets Supplied: ☐

Final Inspection: Richard Anderson

Customer Inspection

INSPECTION ID#: 9490

Comments:

PRESSURE VESSELS HEAT EXCHANGERS AND CONDENSERS

Data Collected By: _____		Entry Date: _____		Package ID # I-702	
Equipment Class _____		Purchase Order # 4500184872			
Equipment Description: AIR COOLED EXCHANGER			Tag No.		E-510
Facility: _____					
Location: LSD		Sec	Twp	Rge	W/
Cost Center: _____		Acquis Value		Acquis Date	
Equipment Status: _____		Ownership Status		_____	
Manufacturer: GLOBAL HEAT TRANSFER		Year Built		2007	
Equipment Condition: _____		Model No. GHT-450SC		Serial No. 512033039	
Construction: _____		Purchase Order # _____			
Skid Weight: _____		Skid Size		(w x l x h)	
Common Characteristics					
Fluid Description: NATURAL GAS Service		Sweet		Code Stamp	
Prov. Reg. No.(A#): _____		CRN OH7426.213		_____	
Shell MAWP: 402 psig		@maxTem 250 °F		MDMT -20	
Shell Mat'l: _____		Shell Thick _____		Shell CA _____	
Head Mat'l: _____		Head Thick _____		Head CA _____	
Nozzle Type: _____		Nozzle Rtg _____		Ansi _____	
Nozzle Mat'l: _____		Nozzle Thick _____		Nozzle CA _____	
X-Ray: _____		Stress Relief		_____	
# Manways: _____		#Inspect.ports _____			
Volume: _____		Design Flow _____			
Diameter: _____		Length/Height _____			
Support Type: _____		Orientation _____			
Internal Coating: _____		Internal Coating /Cladding Type _____			
Insulated: _____		Insulation Thickness _____		Painted / Primed _____	
Additional Characteristics for Condenser, Shell&Tube Exchanger, and Air Cooled Exchanger					
TEMA Nomenclature _____		Shell Side Fluid _____		Service _____	
# Passes _____		#Banks _____		Tube Side Fluid _____	
Tube MAWP _____		@max Temp _____		TubeMDMT _____	
Tube Mat'l _____		Tube Thick _____		Tube CA _____	
Channel or Header Box Material _____		Thickness _____		CA _____	
Additional Characteristics for Plate and Spiral Coil Exchangers					
Hot Side Fluid _____		Description _____		Service _____	
Cold Side Fluid _____		Description _____		Service _____	
Plate/Coil Mat'l _____		Plt/Coil Thick _____		Plate/Coil CA _____	
Material Transfer Information					
Transfer Recorded By: _____		Date _____			
From LSD		Sec	Twp	Rge	W/
Transfer Yard _____					
To LSD		Sec	Twp	Rge	W/
Facility _____		Receiving AFE: _____			
Additional Notes					

Ensure Package ID Number is Identified on ALL Individual Equipment Templates

ALBERTA MUNICIPAL AFFAIRS

ABSA - the pressure equipment authority

200, 4208 - 97 Street

Edmonton AB T6E 5Z9

RECEIVED APR 05 2007

**MANUFACTURER'S DATA REPORT
FOR MINIATURE PRESSURE VESSEL
DÉCLARATION DE CONFORMITÉ DU CONSTRUCTEUR
D'APPAREILS SOUS PRESSION**

In shipment of a pressure vessel, this form fully and correctly filled in must be mailed to the office of the Chief Inspector in the province of installation in accordance with the regulations under the Act governing the construction and installation of pressure vessels.

Au moment de l'expédition d'un appareil sous pression, ce formulaire complété correctement, doit être envoyé au bureau de l'inspecteur en chef de la province d'installation tel que prévu dans les règlements de la loi sur les appareils sous pression.

Manufactured by Construit par	Name and address of Manufacturer/ Nom et adresse du constructeur
Manufactured for Construit pour	Name and address of Purchaser or Consignee/ Nom et adresse du client ou de son représentant Global Heat Transfer Ltd. 7716 67th Street, Edmonton, Alberta
Ultimate owner Utilisateur	Name and address/ Nom et adresse UNKNOWN
Location of installation Lieu d'installation	Name and address/ Nom et adresse UNKNOWN

Pressure vessel/ Appareil

Type/ Genre Category H Pressure Fitting	Overall Length/Longueur totale 622.3mm	Serial No./ N° de série (Series 450JAN08B) 512033039, 512033040, 512033041, 512033042, 512033043, 512033044, 512033045, 512033046, 512033047, 512033048	Year built/Année de fabrication 2005
Provincial Registration No. - C.R.N./N° d'enregistrement provincial - N.E.C. OH 7426.21			Drawing No./ N° de dessin 450-71001 rev.2

The chemical and physical properties of all parts meet the requirements of material specifications of the A.S.M.E. Code.

Les propriétés chimiques et physiques de toutes les composantes respectent les exigences des spécifications de matériaux de code ASME.

The design, construction and workmanship conform to CSA B51. La conception, la construction et la façon sont conformes à ACNOR B51.	ASME Section VIII	Division 1	Addenda/Supplément 2004	Code case No. N° de cas 2148
Manufacturer's partial data reports properly identified and signed by authorized inspectors have been furnished for the following items of the report, and attached to this report. Les rapports partiels du constructeur adéquatement identifiés et signés par les inspecteurs autorisés ont été produits pour les items suivants du rapport, et attachés à ce rapport.				
Names of parts/ Nom de la composante	Item No./ NO d'item	Manufacturer's Name/ Nom du constructeur	Identifying Stamp/ Estampe d'identification	

Shell/ Virole

Description	Material Matériau	Thickness Épaisseur	Corr. Allow. Surépais. de corr.	Diameter Diamètre	Longitudinal Joints Joints longitudinaux			P.W.H.T. Traitement thermique		Girth Joints Joints de circonférence		Number of courses Nombre de arçons
					Type	R.T. Radiog.	Efficiency Efficacité	Temp.	Time Durée	Type	R.T. Radiog.	

Heads/ Têtes

Description	Material Matériau	Min. Thickn. Épais. minim.	Corr. Allow. Surépais. de corr.	Crown Radius Rayon couron.	Knuckle Radius Petit rayon	Ellips Ratio Rapp. ellipse	Conical Apex Angle Angle conique	Hemisph. Radius Ray. Hémisph.	Flat Diameter Diam. plat	Stress to pressure Côté sous pression
88.9mm (3.5") hemi channel	SB221 6061 T6	4.8mm (.188")	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
end cap	SB209 6061 T6	9.5mm (.374")	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Removable bolts used (describe other fastenings) Boulons amovibles utilisés (décrire tout autre attache)					Mat'l Spec/ Spéc. du mat.			Grade		Size/ Dimension

Pressure - Temperature/ Pression - température

Pressure Vessel Part de l'appareil	Constructed for max. allowable working pressure Construit pour une pression maximale de marche permise	At max. temp. À une temp. max.	Minimum design metal temp. Temp. min.	Test pressure (hydro-pneumatic or combination) Pression d'épreuve (hydro-pneumatique ou combinaison)
	402 PSI	250 F	-20 F	521 PSI

Tube Section/ Faisceau tubulaire

Tubesheet/ Plaque tubulaire	Material/ Matériau	Diameter/ Diamètre	Nominal Thickness/ Épaisseur nominale	Corr. Allow. Surépais. corrosion	Attachment/ Mode d'attachement
Tube material/ Matériau des tubes SB221/SB209 3003	Diameter/ Diamètre n/a	Nominal Thickness (gauge)/ Épaisseur nominale (calibre) n/a	Number/ Nbre n/a	Type (Straight or U) Type (Droit ou U) n/a	Heating Surface/ Surface de chauffe n/a

Jack/ Chemise

Type of jack/ Genre de chemise	Jacket closure/ Fermeture de chemise	Proof Test/ Pression d'épreuve	Heating Surface/ Surface de chauffe	Sketch/ Schéma
--------------------------------	--------------------------------------	--------------------------------	-------------------------------------	----------------

Safety Valve Outlets/ Soupapes de sûreté

Number/ Nombre	Dimension	Location/ Endroit
----------------	-----------	-------------------

Nozzles and Openings/ Tubulures et ouvertures

Purpose/ But	Number/ Nombre	Dimension	Type	Material/ Matériau	Nominal Thickness/ Épaisseur nominale	Reinforcement material/ Matériau de renfort	How attached/ Genre d'attaches	Location/ Endroit
inlet/outlet	2	1.5" NPT	half coupling	SB221 / 061 T6	.3"	n/a	welded	tank face
drain	1	.25" NPT	half coupling	SB221 / 061 T6	.3"	n/a	welded	tank side

Supports/ Supports

Skirt/ Jups Yes/ Oui No/ Non <input type="checkbox"/> <input type="checkbox"/>	Lugs/ Orelles No./ Nbre	Legs/ Pieds No./ Nbre	Other/ Autres (Description)	Attached/ Attaches (Where and How/ Méthode et endroit)
--	----------------------------	--------------------------	-----------------------------	---

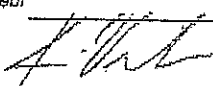
Remarks/ Observations (Cubical capacity/ Volume)**Certificate of Compliance/ Certificat de conformité**

We certify that the statements made in this data report are correct and that the said vessel has been constructed in accordance with the Provincial Registered design below and the requirements of standard CSA B51.

Nous certifions que les données de la déclaration de conformité sont correctes et que l'appareil a été construit en accord avec l'enregistrement provincial ci-dessous et les exigences de la norme ACNOR B51.

Provincial Registered Design
Enregistrement provincial QH 7425.2 i3

Manufacturer
Constructeur

Signature 
(Representative)

Date 13 FEB 06

Signature
(Certified Individual)

Date

450 JMW 2014

Valve, Piping and Fitting

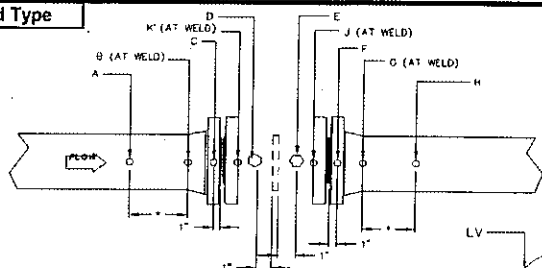
Data Collected By: _____		Entry Date: _____		Package ID # I-702	
Equipment Class _____		Purchase Order # 4500184872			
Equipment Description: METER RUN		Tag No. FE-1401			
Facility: _____					
Location: LSD _____ Sec _____ Twp _____ Rge _____ W/ _____					
Cost Center: _____		Acquis Value _____		Acquis Date _____	
Equipment Status: _____		Ownership Status _____			
Manufacturer: NUFLO		Year Built 2007			
Equipment Condition: _____		Model No. 40422-0085		Serial No. X701397-1-10	
Construction: _____					
Skid Weight: _____		Skid Size _____		(w x l x h)	
Common Characteristics					
Fluid Description NATURAL GAS		Service Sweet _____		Pressure Rating 600# Ansi	
CRN OF1120.213		Code Stamp _____		PP# _____	
Piping Body Material SA-106 B		Sched. Thick SCH 80		C.A. _____	
Nominal Size 2 in		Internal Coating N		Painted/Primed Y	
Additional Characteristics for ESD Valve, Choke and Specialty Valve					
Design Valve Type _____		MAWP _____		MDMT _____	
Trim _____		Internal Material _____		Actuator Type _____	
Fire Safe _____		WT Thickness _____		Bonnet Design _____	
Additional Characteristics for Safety Valves					
Capacity _____		Service Date _____		Back Pressure _____	
Set Press. _____		Pop Press. _____		Bonnet Design _____	
Inlet Size _____		Outlet Size _____		Trim Material _____	
Inlet Connection _____		Outlet Connection _____			
Equip. Protected _____		S/N _____			
Equip. Protected _____		S/N _____			
Equip. Protected _____		S/N _____			
Equip. Protected _____		S/N _____			
Additional Characteristics for Rupture Disc					
Rupture Pressure _____		Capacity _____			
Disc Mat'l _____		Equipment Protected _____		S/N _____	
		Equipment Protected _____		S/N _____	
Additional Characteristics for Piping and Manifold					
Design Pressure _____		# Inlets _____		Inlet Diameter _____	
				Inlet Connection _____	
# Outlets _____		Outlet Diameter _____		Outlet Connection _____	
Additional Characteristics for Meter Run					
Type Junior _____		Recorder Man. _____		Equipped with SCADA N	
Chart Recorder N		Straightening Vanes Y			
Material Transfer Information					
Transfer Recorded By: _____					
From LSD _____ Sec _____ Twp _____ Rge _____ W/ _____		Date _____			
Transfer Yard _____					
To LSD _____ Sec _____ Twp _____ Rge _____ W/ _____		Receiving AFE _____			
Facility _____					
Additional Notes					
2" 600# SCH 80 SINGLE CHAMBER					

Meter Tube Calibration Record

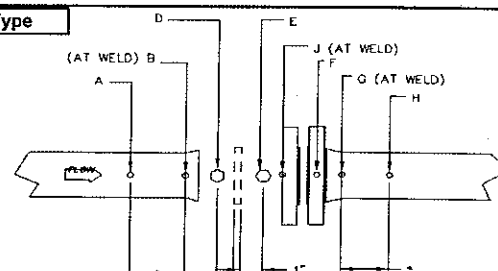
General Specifications

Customer:	PC COMPRESSION INC.	Date:	FEBRUARY 13/2007
Location:	STOCK	P.O. Number:	507855-00
Serial No.	X701397-1-10 ✓	Work Order No.	X701397-001
Assembly Part No.	[40422]-0085	Part No.	40422-34221
Orifice Fitting:	2" 600# SCH.80 SINGLE CHAMBER	Meter Tube Type No.	2
Straightening Vane:	Yes	X	No

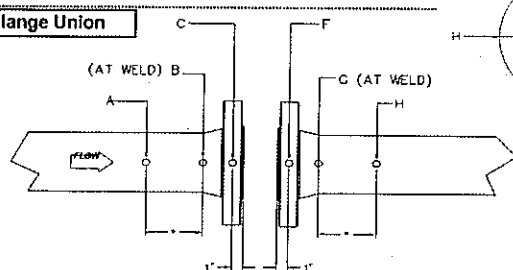
Type 1 Flanged Type



Type 2 Flangeweld Type



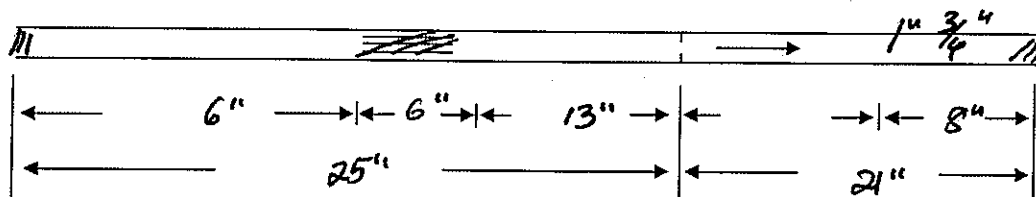
Type 3 Orifice Flange Union



Type 4 weldneck Type Valve or Door
Check Location Point A-B-D on Upstream Tube,
Point E-G-H on Downstream Tube

*Cross section 'A' and 'H' shall be one pipe diameter
except if such Cross Section falls within the lifting or weld
it shall be made 1" inside the pipe

Location	Upstream Meter Tube					Downstream Meter Tube				
	A	B	C	D	K	E	F	G	H	J
V	1.938	1.929		1.939		1.939	1.937	1.942	1.942	1.929
LV	1.937	1.929		1.939		1.939	1.936	1.949	1.951	1.929
RV	1.938	1.939		1.939		1.939	1.937	1.937	1.934	1.939
H	1.937	1.932		1.939		1.939	1.936	1.940	1.939	1.934
Average	1.937	1.932		1.939		1.939	1.936	1.942	1.941	1.933
Upstream Mean Average to Stamp on I.D. Plate				1.939		Downstream Mean Average to Stamp on I.D. Plate				1.939



AGA/API Figure

3c

BETA

0.70

Meter Tap Location

Upstream

1"

Downstream

1"

Remarks:

68°F

Inspector:

J. Reddy

ROTATING MECHANICAL PUMPS

Data Collected By: _____		Entry Date: _____		Package ID # I-702	
Equipment Class _____		Purchase Order # 4500184872			
Equipment Description: PUMP		Tag No. P-610			
Facility: _____					
Location: LSD _____		Sec _____		Twp _____	
		Rge _____		W/ _____	
Cost Center: _____		Acquis Value _____		Acquis Date _____	
Equipment Status: _____		Ownership Status _____			
Manufacturer: SANDPIPER		Year Built 2007			
Equipment Condition: _____		Model No. G1FB1ABTXNSX00		Serial No. 1517875	
Construction: _____					
Skid Weight: _____		Skid Size _____ (w x l x h)			
Common Charateristics					
Fluid Description NAT. GAS/LIQUID		Service Sweet		Orientation Horizontal	
Design Cap 45 gpm		Min.Suct.Head _____			
Driven By Motor		Pump MAWP 100 psig		Pump HP Rating _____	
Rated Head _____		Rotation _____ (viewed from Drive End)			
# Stages _____		Max Frame Speed _____ RPM			
Sheave Type _____		Sheave Size _____		Belt Size _____	
Additional Characteristics for Reciprocating Pumps					
# Cylinders _____		Plunger Size _____		Stroke _____	
Valve Manufacturer _____		Liner _____			
Additional Characteristics for Rotary Pumps					
Rotary Pump Type _____		Rotor Mount _____			
Additional Characteristics for Centrifugal Pumps					
Casing Type _____		Csg Mat'l _____			
Csg MAWP _____		Internal Coating _____			
Additional Characteristics for Controlled Volume Pumps					
# Cylinders _____		Displacement _____			
Material Transfer Information					
Transfer Recorded By: _____		Date _____			
From LSD _____		Sec _____		Twp _____	
		Rge _____		W/ _____	
Transfer Yard _____					
To LSD _____		Sec _____		Twp _____	
		Rge _____		W/ _____	
Facility _____		Receiving AFE: _____			
Additional Notes					

Ensure Package ID Number is Identified on ALL Individual Equipment Item Templates

ELECTRICAL

Data Collected By: _____		Entry Date _____		Package ID# I-702	
Equipment Class _____		Purchase Order # 4500184872			
Equipment Description: SCROLL VFD PANEL				Tag No. _____	
Facility: _____					
Location: LSD _____		Sec _____		Twp _____	
		Rge _____		W/ _____	
Cost Center: _____		Acquis Value _____		Acquis Date _____	
Equipment Status: _____		Ownership Status _____			
Manufacturer: PYRAMID CORPORATION		Year Built 2007			
Equipment Condition: _____		Model No. SCROLL VFD		Serial No. A131-7878	
Construction: _____					
Skid Weight: _____		Skid Size _____ (w x l x h)			
Common Characteristics					
Size / HP Rating: _____		Service _____			
Elec. Class: CLASS I		Elec. Division DIV II		Elec Group _____	
Primary Voltage: 480/120VAC/24VDC		Primary Current _____		Winding Config. _____	
No. of Phases: 3		Frequency 60 Hz			
Current: 20/5/30 Amps		Enclosure Style _____		Enclosure Class _____	
Operating Temp.: _____					
Additional Characteristics for MCC and Switchgear					
Main / Horizontal Bus _____		Material _____		Rating _____	
Vertical Bus _____		Material _____		Rating _____	
Enclosure EEMAC: _____					
Main Breaker Size: _____		Metering _____		Starter _____	
Additional Characteristics for Transformers					
Secondary Voltage: _____		Secondary Current _____		Winding Config. _____	
Power Factor: _____		Efficiencies _____			
Rating: _____		Tap Voltages: _____		Insulating Liquid _____	
				Excitation _____	
Additional Characteristics for UPS Systems					
kVA Rating: _____		Input Voltage _____		Output Voltage _____	
Material Transfer Information					
Transfer Recorded By: _____		Date _____			
From LSD _____		Sec _____		Twp _____	
		Rge _____		W/ _____	
Transfer Yard _____					
To LSD _____		Sec _____		Twp _____	
		Rge _____		W/ _____	
Facility _____		Receiving AFE: _____			
Additional Notes					

Ensure Package ID Number is Identified on ALL Individual Equipment Item Templates