P-200/210
SEEPEX PROGRESSIVE CAVITY PUMP
BN 130-12/A1-C1-L8-F0-4EMA.1-X
SUCTION: 8"-150# RF
DISCHARGE: 8"-150# RF
MIN 143RPM, 220GPM @ 100PSI
MAX 271RPM, 440GPM @ 100PSI
DESIGN: 440GPM @ 80PSI
(EACH PUMP)

GB-200/210
NORD GEAR REDUCER,
MODEL: SK72VLF/320TC B5,
1:8.19 TURN DOWN RATIO

DRIVE INFO	NOM.	MIN.	MAX.
OUTPUT SPEED (RPM)	220	143	270
MOTOR SPEED (RPM)	1800	1171	2218
FREQUENCY (HZ)	60	39	74

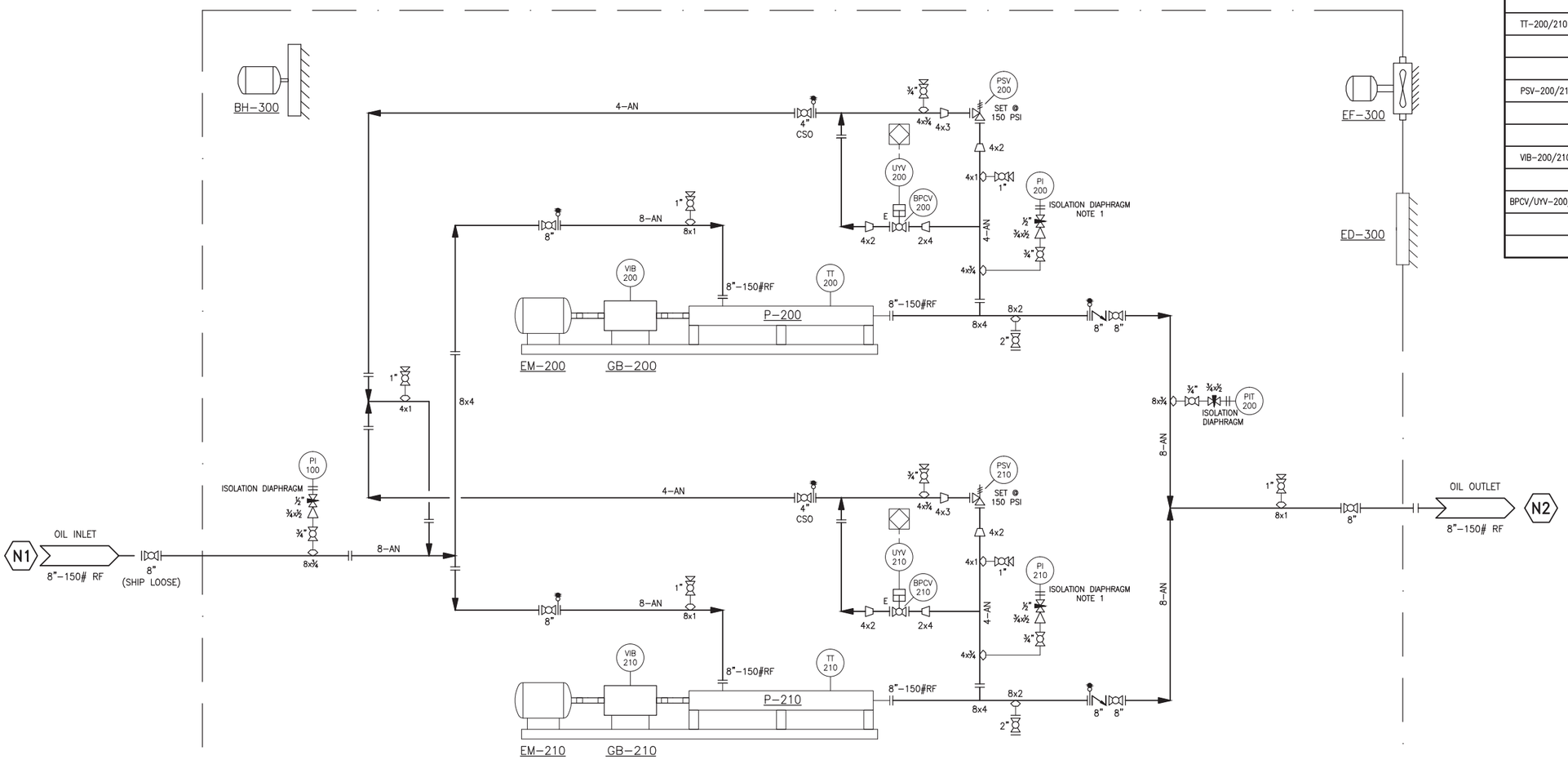
EM-200/210
WEG ELECTRIC MOTOR,
50HP, 1780RPM, 326TC FRAME
3PH/60HZ/575V,
CLASS I DIV I (TEXP)

BH-300
RUFFNECK ELECTRIC HEATER
FX5-600360-200T
20kW, 600V/60HZ/3PH
PIPE MOUNT KIT

EF-300
EXHAUST FAN,
12 AC/HR,
120V/60HZ/1PH

ED-300
EXHAUST LOUVER,
MANUAL ADJUSTMENT,
12x12, INSIDE OPERATOR
c/w BIRDSCREEN

BILL OF MATERIALS		
ITEM	QTY.	DESCRIPTION
PI-100	1	PRESSURE INDICATOR, 0-30PSI RANGE, DUAL SCALE, LIQ. FILL, 4", 1/2" NPT
PI-200/210	2	PRESSURE INDICATOR, 0-300PSI RANGE, DUAL SCALE, LIQ. FILL, 4", 1/2" NPT
PIT-200	1	PRESSURE INDICATING TRANSMITTER, ROSEMOUNT 2088G3S22A1S1M5C6,
		GAGE STYLE, 0-800PSI RANGE, 4-20mA OUT, LCD DISPLAY, CSA
		1/2"NPT CONNECTION, NACE, ISOLATION DIAPHRAGM 1199
TT-200/210	2	DRY-RUN PROTECTION DEVICE, TEMPERATURE TRANSMITTER 115AC, SLEEVE,
		NTC TEMP SENSOR INSTALLED @ PUMP STATOR, TSE CONTROL DEVICE FOR
		PANEL, 110-115V, 50-60Hz
PSV-200/210	2	PRESSURE RELIEF VALVE, MERCER 91-51J11T82L1, 2"-150# X 3"-150#RF,
		WCB CS BODY/BONNET, TEFLON SEAT, 316SS DISK/NOZZLE, LIQUID SERVICE
		SET @ 150 PSI
VIB-200/210	2	VIBRATION SWITCH, MURPHY VS2-EX
BPCV/UYV-200/210	2	BYPASS CONTROL VALVE, FISHER V200 2"-150#WAFER, WCC BODY, 317SST-CHROME
		PLATED V-BALL, NACE, C/W BETTIS ELECTRIC ACTUATOR EM500F-30-C7-11-130
		POWER OPEN/CLOSE, FAIL LAST, 24DC POWER, CSA, 90DEG, 4-20mA INPUT



NOTES:
1. TO BE INSTALLED IN FIELD
2. GASKETS ARE PER ROTATING RIGHT NORMAL SPEC, 1/8" SPIRAL WOUND W/ 316SS WINDINGS
3. USE ISOLATION DIAPHRAGMS UNDER ALL PI'S AND PIT'S TO ISOLATE FROM PROCESS FLUID
4. PAINT SPEC ROTATING RIGHT RRSPS
5. FOR INSPECTION PARAMETERS SEE PIPING SPECIFICATION

LINE NUMBER
4-AN-01
LINE SIZE
SPECIFICATION
LINE NUMBER

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PIPING SPECIFICATION: ROTATING RIGHT RRNS01 NORMAL SERVICE					
SPEC	ANSI	PRESSURE	TEMP	MAT'L	I/C
ALP	150# RF	285 PSI (1965 kPa)	-20/100°F (-29/38°C)	CS	N
AN	150# RF	285 PSI (1965 kPa)	-20/100°F (-29/38°C)	CS	N
BN	300# RF	740 PSI (5103 kPa)	-20/100°F (-29/38°C)	CS	N
CN	600# RF	1480 PSI (10205 kPa)	-20/100°F (-29/38°C)	CS	N
DN-1	900# RF	2220 PSI (15307 kPa)	-20/100°F (-29/38°C)	CS	N
DN-2	900# RTJ	2220 PSI (15307 kPa)	-20/100°F (-29/38°C)	CS	N
EN-1	1500# RF	3705 PSI (25545 kPa)	-20/100°F (-29/38°C)	CS	N
EN-2	1500# RTJ	3705 PSI (25545 kPa)	-20/100°F (-29/38°C)	CS	N
FN-1	2500# RF	6170 PSI (42540 kPa)	-20/100°F (-29/38°C)	CS	N
FN-2	2500# RTJ	6170 PSI (42540 kPa)	-20/100°F (-29/38°C)	CS	N

DRAWING REVISION				
REV	DATE	DESCRIPTION	BY	CHK
A	DEC 03/12	ISSUED FOR QUOTATION	ANT	MWH
B	DEC 06/12	REVISED FOR QUOTATION	LRS	MWH
0	DEC 10/12	ISSUED FOR APPROVAL	LRS	MWH
1	DEC 11/12	REVISED FOR APPROVAL	LRS	MWH
2	DEC 12/12	REVISED FOR APPROVAL	LRS	MWH
3	DEC 13/12	ISSUED FOR CONSTRUCTION	LRS	MWH
4	JUL 05/12	AS-BUILT	JKL	MWH
5	OCT 17/13	AS-BUILT	MBR	TK

ROTATING RIGHT

PROCESS & INSTRUMENTATION DIAGRAM
CANEXUS LTD PARTNERSHIP
OIL TRANSFER SKID PACKAGE
BRUDERHEIM TERMINAL SE-34-55-20 W4M

QUOTE: 2012-678
JOB NUMBER: J-11144C
DATE: DEC 03/12
DWN: LRS
SCALE: NTS
DRAWING NO: B-PD-678101C