

MASTER BILL OF MATERIALS

CONCISE / NORTHSTAR

JOB: BE 00-83
DATE: DEC 01/00
REV: A-AS BUILT

ITEM	SUPPLIER	QUANT	DESCRIPTION
101	P.	1	"BALDOR" ELECTRIC MOTOR, 30 HP @ 1800 RPM, FRAME 286T, X-P, SF = 1.15, 460/3/60, S/N: M7060T-1
211	P. /SULLAIR	1	OIL FLOODED "SULLAIR" ROTARY SCREW COMPRESSOR: - S/N: 006-00005351 - MODEL PDX-10 GEARED, DIRECT DRIVEN @ 1800 RPM - MAWP = 230 PSIG
212	P	1	FLEXIBLE DRIVE COUPLING "SAGA" S-22, STEEL HUBS, ROUGH BORE, MACHINE TO SHRINK FIT MOTOR SHAFT IN ONE HUB AND "DODGE" #1615 TAPER LOCK BUSHING FOR COMPRESSOR SHAFT IN THE OTHER HUB
213	P.	1	TAPER LOCK BUSHING "DODGE" #1615, 1 1/2" BORE, INSTALL IN COMPRESOR HUB, MACHINE TAPER BORE TO ENABLE BUSHING REMOVAL TOWARDS RUBBER DONAT SIDE OF COMPRESSOR HUB
231	P.	1	Y-STRAINER "MUELLER" OR EQUAL, CAST STEEL, 1 1/2"-NPT, 100 WIRE MESH ELEMENT, MAWP = 230 PSIG @ 300 Deg.F, SOUR TRIM
232	P.	1	LUBE OIL FILTER ASSEMBLY "PALL" 8604 SERIES, c/w REPLACEBLE ELEMENT, 1"-NPT, MAWP = 600 PSIG, FLOW AVAILABLE = 40 USGAL/MIN, VITON SEAL, SOUR TRIM
233	P.	1	THERMOSTATIC VALVE "FLUID POWER" MODEL D1010, STEEL BODY, 1"-NPT, SET @ 160 Deg.F, MAWP = 230 PSIG, HYDROTEST @ 345 PSIG, SOUR TRIM

236	P. /SULLAIR	1	SIGHT FLOW GLASS "SULLAIR", 1/4" FNPT x 1/4" FNPT
250	P. /P.I.C.	1	UNIT VIBRATION SENSOR / SHUTDOWN "MURPHY" VS2-EX c/w MANUAL RESET, CALIBRATE AT START-UP, SPDT SWITCH, (c/w PANEL)
253	P. /P.I.C.	1	COMPRESSOR OIL TEMPERATURE "RTD", TRANSMITTER MODEL T325-400-100EX, c/w 316 SS THERMOWELL, (c/w PANEL)
257	P. /P.I.C.	1	COMPRESSOR DISCHARGE TEMPERATURE "RTD", TRANSMITTER MODEL T325-400-100EX, c/w 316 SS THERMOWELL, (c/w PANEL)
258	P. /P.I.C.	1	LOW OIL LEVEL COMPRESSOR SHUTDOWN "MURPHY" L1200E-SS, 2"-NPT, STAINLESS HORIZONTAL FLOAT, MAWP = 1500 PSIG @ 300 Deg.F, SPDT SWITCH, (c/w PANEL), SOUR TRIM, EXTERNAL CAGE BUILT BY BIDELELL (1/8" CA, PWHT, SANDBLASTING)
301	P. /GEA	1	"GEA RAINEY" AIR COOLER MODEL C30-0425, MOTOR DRIVEN FAN, 5 HP @ 1800 RPM, 460/3/60, X-P, FRAME 184T, S/N: T1411-1 C.L.O. SECTION: - 1 1/2"-150# RF INLET & OUTLET - DESIGN PRESSURE = 230 PSIG @ 300 F. - MANUAL LOUVRES - 1/8" CORR. ALLOWANCE - 100 X-RAY, PWHT - SA-179 STEEL TUBES A.C. SECTION: - 1 1/2"-150# RF INLET & OUTLET - DESIGN PRESS = 230 PSIG @ 300 F. - MANUAL LOUVRES - 1/8" CORR. ALLOWANCE - 100% X-RAY, PWHT - SA-179 STEEL TUBES
507	P.	1	INLET FILTER SEPARATOR: - 10 3/4" O.D. x 5'- 3" SEAM/SEAM - D.P.= 230 PSIG @ 300 Deg.F - 1/8" CORR. ALLOWANCE - 3"-150# RF INLET & OUTLET - X-RAY PER ASME CODE Uw 11a, RT-1 - 316L SS #9 DENSITY MESH PAD 4" THICK - ONE "PECO" FILTER FG-324 - PWHT, SANDBLASTED, PICKELLED & OILED

508	P.	1	LUBE OIL SEPARATOR / OIL SUMP: - 14" O.D. x 3'- 5" SEAM/SEAM - D.P.= 230 PSIG @ 300 Deg.F - 1/8" CORR. ALLOWANCE - 2"-150# RF INLET & OUTLET - X-RAY PER ASME CODE Uw 11a, RT-1 - 316L SS #9 DENSITY MESH PAD 6" THICK - ONE "SULLAIR" ELEMENT P/N: 013118 - PWHT, SANDBLASTED, POWER CLEANED
550	P.	1	REFLEX TYPE GAUGE GLASS "PENBERTHY" 19RL c/w 303J VALVES OR EQUAL, 3/4"-NPT CONNECTIONS, SOUR TRIM
551	P.	1	TRANSPARENT GAUGE GLASS "PENBERTHY" 19TL c/w 303J VALVES OR EQUAL, 3/4"-NPT CONNECTIONS, SOUR TRIM
553	P.	1	SCRUBBER LIQUID PUMP "WANNER" MODEL M-03, STAINLESS STEEL DESIGN, 1/2"-NPT CONNECTIONS, MAWP = 500 PSIG, FLOW 3 USGAL/MIN, SOUR TRIM, 1.5 HP X-P MOTOR 460/3/60, c/w COUPLING, GUARD AND BASE
554	P.	2	LIQUID PUMP ON/OFF SWITCHES "MURPHY" L1200E-SS, 2"-NPT, STAINLESS HORIZONTAL FLOAT, MAWP = 1500 PSIG @ 300 Deg.F, SPDT SWITCH, SOUR TRIM
555	P. /P.I.C.	1	HIGH LIQUID LEVEL SHUTDOWN "MURPHY" L1200E-SS, 2"-NPT, STAINLESS HORIZONTAL FLOAT, MAWP = 1500 PSIG @ 300 Deg.F, SPDT SWITCH, SOUR TRIM, (c/w PANEL)
556	P.	1	REGULATOR "FISHER" 67CFR, 1/4"-NPT, SPRING RANGE 0-35, SOUR TRIM c/w VENTER BONNET
561	P.	1	SUCTION Y-STRAINER, 2 1/2"-NPT, TYPE 316 SS 80 MESH, 250 PSIG S.W.P. "MUELLER" OR EQUAL, SOUR TRIM
602	P.	1	AUTOBYPASS VALVE "NORRISEAL" 2275, 1"-NPT, SIGNAL 3 TO 30 PSIG, 3/8 ORIFICE, SOUR TRIM, FAIL OPEN, c/w "FISHER" #546 I/P TRANSDUCER, 4 - 20mA, 0 - 33 PSIG SIGNAL
604	P.	1	BACK PRESSURE REGULATOR "KIMRAY" MODEL 230SGT BP-D, 2"- NPT, SOUR TRIM, MWP = 300 PSIG, DUCTILE IRON BODY

651	P.	1	DISCHARGE RELIEF VALVE "MERCER" MODEL 91-12D611709E, SET @ 230 PSIG, 3/4" MNPT x 1" FNPT, 0.122 ORIFICE, SOUR TRIM
652	P.	1	LIQUID PUMP RELIEF VALVE "MERCER" MODEL 91-12D611709E, SET @ 230 PSIG, 1/2" MNPT x 1" FNPT, 0.122 ORIFICE, SOUR TRIM
661	P.	1	DISCHARGE SWING CHECK VALVE, "NAVCO" OR EQUAL, 2"-NPT, CLASS 800# WOG, SOUR TRIM
662	P.	1	WAFER STYLE SWING CHECK VALVE "PROQUIP" CARBON STEEL BODY, 3"-150# RF, SINGLE FLAPPER, SOUR TRIM
665	P.	1	MANUAL BLOWDOWN VALVE, 1"-NPT REG. PORT BALL VALVE "VALVE-TEK" OR EQUAL, SOUR TRIM, 2000# W.O.G.
901	P. /P.I.C.	1	ELECTRONIC CONTROL PANEL "MURPHY" MODEL c/w FOLLOWING: - S/N: M00-040-024 - 45-EMS448EX X-P ANUNCIATOR - TWO PROCESS PRESSURE TRANSMITTERS (SUCT. & DISCH. PRESS.) - ONE UTILITY PRESSURE TRANSMITTER (COMPRESSOR OIL PRESS.) - INTEGRAL TACHOMETER & HOUR METER - POWERED BY 24 V DC - FRONT ACCESS DOOR - CLASS 1, DIV. 1, GROUP C,D. - DESIGNED FOR SOUR GAS APPLICATION
902	P.	1	SELF-FRAMING METAL BUILDING, 9' LONG x 6' WIDE x 5'- 3" EAVE HEIGHT c/w FOLLOWING: - FLAT TYPE ROOF - ONE 6' x 5' DOUBLE DOOR c/w LOCKSET, CHECK CHAIN & 18"x 18" LOUVRE IN DOOR - ONE 3' x 5' SINGLE DOOR c/w LOCKSET & 18"x 18" LOUVRE (LOW LOUVRE) - REMOVABLE ROOF PANEL - 22 GAUGE GALVANIZED STEEL EXTERIOR WALLS - 2 1/2"t. FIBERGLASS R-12 INSULATION - 24 GAUGE NATURAL ALUMINUM INTERIOR WALLS - 4 mil VAPOUR BARRIER

910	P.	1	BUILDING HEATER, "RUFFNECK" MODEL FX412-480360-3-4099-1039, (480/60/30) 10,250 BTU/HR, c/w MOUNTED X-P THERMOSTAT
921	P.	1	Y-STRAINER "MUELLER" OR EQUAL, 3/8"-NPT, 250 PSIG S.W.P, 80 MESH, SOUR TRIM
931	P.	1	INLINE CHECK VALVE "ARGUS" OR EQUAL, 3/8"-NPT, 3000# WOG, SPRING LOADED, SOUR TRIM
936	P.	1	SWING CHECK VALVE "NAVCO" OR EQUAL, 1 1/2"- NPT, CLASS 800# WOG
944	P.	1	REG. PORT BALL VALVE "VALVE-TEK" OR EQUAL, 1"-NPT, SOUR TRIM, 2000# WOG
954	P.	1	GATE VALVE "NAVCO" OR EQUAL, 1"-NPT, SOUR TRIM, CLASS 800# WOG
964	P.	1	GLOBE VALVE "NAVCO" OR EQUAL, 1"-NPT, SOUR TRIM, CLASS 800# WOG
973	P.	3	NEEDLE VALVE "CENTURY" CM2 OR EQUAL, 3/4" MNPT x 1/2" FNPT, CARBON STEEL, MAWP = 6000 PSIG, SOUR TRIM
974	P.	2	NEEDLE VALVE "CENTURY" CM2 OR EQUAL, 1/2" FNPT x 1/2" FNPT, CARBON STEEL, MAWP = 6000 PSIG, SOUR TRIM
981	P. /P.I.C.	1	PRESSURE TRANSMITTER "MURPHY" MODEL 45-PXMS30V30, RANGE 30" Hg TO 30 PSIG, SUCTION PRESSURE, SOUR TRIM, (c/w PANEL)
982	P. /P.I.C.	1	PRESSURE TRANSMITTER "MURPHY" MODEL 45-PXMS300, RANGE 0 TO 300 PSIG, DISCHARGE PRESSURE, SOUR TRIM, (c/w PANEL)
983	P. /P.I.C.	1	PRESSURE TRANSMITTER "MURPHY" MODEL 45-PXMS300, RANGE 0 TO 300 PPSIG, COMP. OIL PRESSURE, SOUR TRIM, (c/w PANEL)
985	P.	2	120 VOLT INCANDESCENT LIGHT FIXTURES, ONE 150 WATT FOR INSIDE AND ONE 70 WATT FOR OUTSIDE

P.= PACKAGER = BIDE LL EQUIPMENT INC.