



**APPROVED
FOR CONSTRUCTION**

CUSTOMER PER	DATE
ENGINEERING PER	DATE
SHOP PROD. PER	DATE

- ELECTRICAL TERMINATIONS**
- 114 FUEL GAS SEPARATOR HIGH LIQUID LEVEL
 - 130 ENGINE OIL HIGH TEMPERATURE
 - 132 ENGINE OIL LOW LEVEL
 - 141 ENGINE JACKET WATER HIGH TEMP. (RIGHT BANK)
 - 142 ENGINE JACKET WATER HIGH TEMP. (LEFT BANK)
 - 143 E.J.W. SURGE TANK LOW LEVEL
 - 145 ENGINE AUX. WATER HIGH TEMPERATURE
 - 146 CLOW / TAW SURGE TANK LOW LEVEL
 - 150 ENGINE HIGH VIBRATION
 - 153 ENGINE OVERSPEED
 - 204 COMPRESSOR DISCHARGE HIGH TEMPERATURE
 - 224 COMPRESSOR LUBE OIL HIGH TEMPERATURE
 - 244 COMPRESSOR HIGH VIBRATION
 - 250 COMPRESSOR LOAD CONTROL
 - 251 COMPRESSOR UNLOAD CONTROL
 - 300 COOLER HIGH VIBRATION
 - 510 INLET SCRUBBER HIGH LIQUID LEVEL

- PNEUMATIC TERMINATIONS**
- 70 INSTRUMENT SUPPLY (PI)
 - 102 ENGINE AIR MANIFOLD PRESSURE
 - 111 ENGINE GOVERNOR SIGNAL
 - 112 ENGINE RUN SIGNAL
 - 113 FUEL GAS VALVE SIGNAL
 - 131 ENGINE OIL PRESSURE
 - 8 SUCTION PRESSURE
 - 209 DISCHARGE PRESSURE
 - 220 COMPRESSOR OIL PRESSURE
 - 227 COMP UNLOAD PUMP SIGNAL
 - 601 SUCTION CONTROL VALVE SIGNAL
 - 602 AUTO BYPASS VALVE SIGNAL

COMPRESSOR PORTS

No.	SIZE	DESCRIPTION
N1	10"-300#	GAS SUCTION
N2	8"-300#	GAS DISCHARGE
N3	1"	BEARING LUBE OIL INLET
N4F	1.5" SPEC.	OIL INJECTION
N4M	1"	ADDITIONAL OIL INJECTION
N5	3" SPEC.	ECONOMIZER HOLE (PLUGGED)
N6	1 1/4"	LIQUID INJECTION (H.V.)
N7	1 1/4"	LIQUID INJECTION (L.O.V.)
N8	3/4"	ADDITIONAL BALANCE PISTON
N9	3/4"	FIXED BALANCE PISTON
N10	1/2"	OIL PRESS. CONN. VAR. VI
N11F	1/2"	OIL PRESS. CONN. VAR. VI
N11M	1/2"	OIL PRESS. CONN. VAR. VI
N12	1/2"	OIL PRESS. CONN. VAR. VI
N13	1/2"	HYDRAULIC CYL. DRAIN (PLUGGED)
N14	1/2"	HYDRAULIC CYL. DRAIN (PLUGGED)
N15	1/2"	OIL HYDRAULIC CYL. UNLOAD
N16	1/2"	OIL HYDRAULIC CYL. LOAD
N17	1/2"	HYDRAULIC CYL. DRAIN (PLUGGED)
N18	1/2"	HYDRAULIC CYL. DRAIN (PLUGGED)
N19	1/8"	MECHANICAL SEAL DRAIN
N20	3/4"	OIL RETURN
N21	3/4"	DRAIN (PLUGGED)
N22	3/4"	BLEED OFF TO SUCTION (PLUGGED)

- GENERAL NOTES**
- INSTRUMENTATION**
 - TEMP. & PRESS. GAUGES SHALL BE DUAL SCALE
 - INSTRUMENT MEDIUM TO BE CLEAN DRY AIR
 - CONTROL PANEL POWERED BY - 24 V DC
 - PROCESS TUBING TO BE 1/4" OD x .035" W.T. CAD PLATED
 - FITTINGS TO BE CAD PLATED 1/4" CS FERRULES PARKER HAN.
 - INSTRUMENT TUBING TO BE 1/4" OD x .035" W.T. CAD PLATED
 - FITTINGS TO BE CAD PLATED 1/4" CS FERRULES PARKER HAN.
 - LUBE OIL TUBING TO BE OD AS NOTED x .035" W.T. CAD PLATED
 - FITTINGS TO BE CAD PLATED 1/4" CS FERRULES PARKER HAN.
 - TUBING RUNS IN TRAFFIC AREAS SHALL BE PROTECTED WITH REMOVABLE COVER
 - ON SKID L.S. WIRING BY BIDELL
 - ON SKID CONDUIT BY BIDELL
 - PROCESS PIPING**
 - CONSTRUCTED IN ACCORDANCE WITH ANSI B31.3
 - HYDROSTATIC TESTED TO 1.5 x DESIGN PRESS. @ AMBIENT
 - CORROSION ALLOWANCE = 0.0625 INCHES
 - RADIOGRAPHIC EXAMINATION = 10%
 - STRESS RELIEVED - NONE
 - EXTERNALLY POWER CLEANED
 - ALL FLANGED RELIEF VALVES SHALL BE BRACED OR GUSSETED BACK TO PIPING OR VESSEL
 - PIPING TO BE ANCHORED TO STRUCTURAL MEMBER WITH BIDELL STANDARD STRAP TYPE HEAVY DUTY CLAMPS (NO "U-BOLT" TYPE)
 - PROCESS SCREWED CONNECTIONS SHALL BE 3000# F.S. THREADOLETS
 - PROCESS PRESSURE VESSELS**
 - CONSTRUCTED IN ACCORDANCE WITH ASME SECTION VIII, DIV. 1
 - HYDROSTATIC TESTED TO 1.3 x DESIGN PRESS. @ AMBIENT
 - CORROSION ALLOWANCE = 0.0625 INCHES
 - RADIOGRAPHIC EXAMINATION = PER UW 110(5b), RT-2
 - STRESS RELIEVED - NONE
 - EXTERNALLY POWER CLEANED
 - INTERNALLY POWER CLEANED PRIOR ASSEMBLY
 - VESSEL SCREWED CONNECTIONS SHALL BE 3000# F.S. THREADOLETS
 - CRN'S REQUIRED FOR AB, SASK
 - STRUCTURAL STEEL**
 - SKID REQ'D SLOPE ENVIRONMENTAL SEAL PAN
 - CUSTOMER NOTES**
 - COLOR OF PACKAGE: - WARM GREY
 - LSR: 02-17-11-10 W4M

REV	DATE	BY	DESCRIPTION
B	NOV26	LS	AS BUILT
A	OCT29	LS	AS PER CUSTOMER ADDS
O	OCT25	LS	ISSUED FOR APPROVAL

SWEET GAS SERVICE

DRAWN	L. SAVSKOFF	PROCESS and INSTRUMENTATION FLOW DIAGRAM	CUSTOMER	EQUATORIAL ENERGY/SEIDLITZ ENG'G
DATE	02-10-25		PROJECT	WINNIFRED SCREW COMPRESSOR
SCALE	N.T.S.		SHOP ORDER	02-158
CHK'D		CATERPILLAR 3412 TAW / KOBELCO 28LNB / AIR-X 108AEH	REVISION	

BIDELL EQUIPMENT

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DWG.No:02-158-1A

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