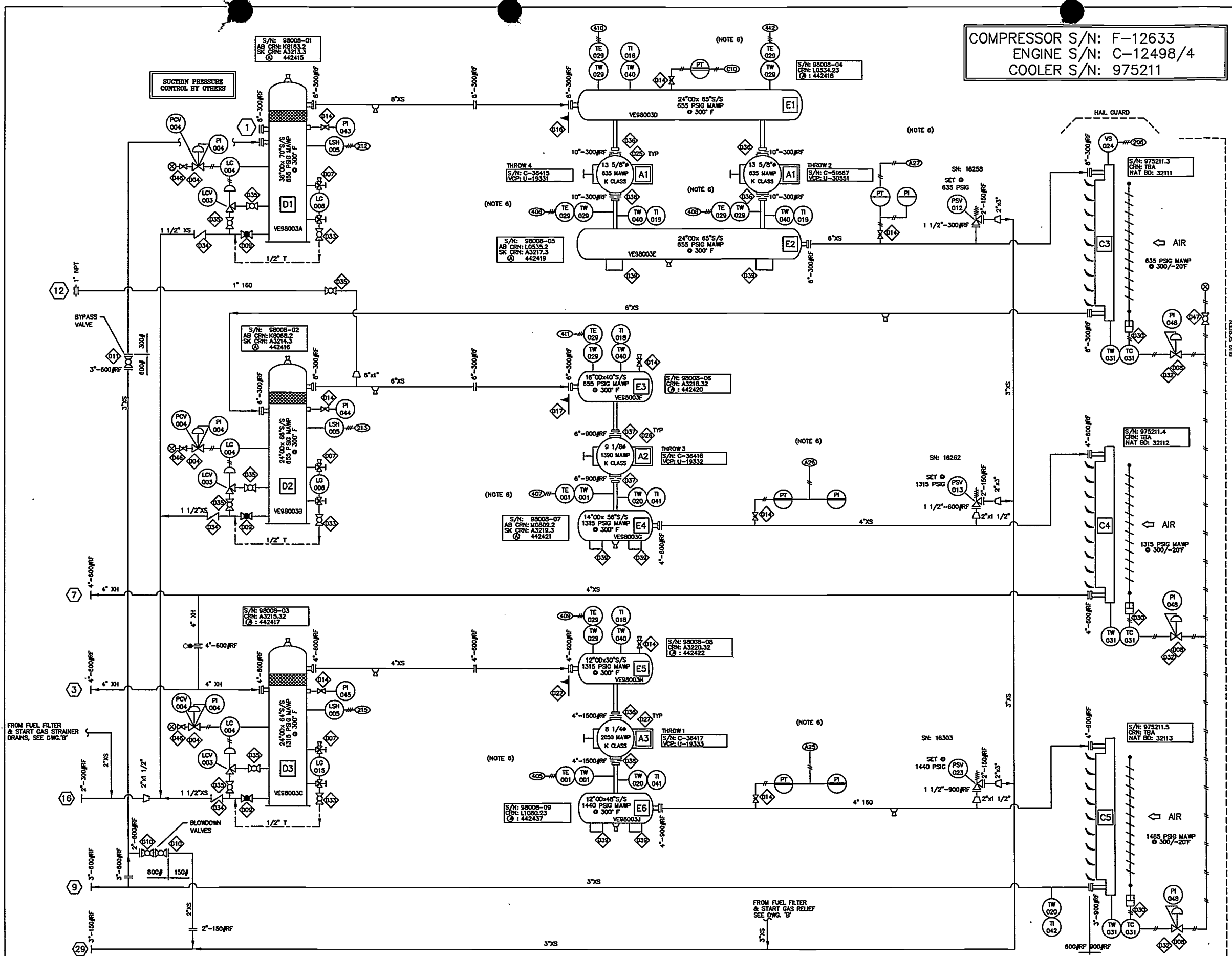




COMPRESSOR S/N: F-12633
ENGINE S/N: C-12498/4
COOLER S/N: 975211

BID OF MATERIAL PHASE 50

ITEM	QTY.	NEW/EXISTING	DESCRIPTION
001	2		THERMOCOUPLE, ALLTEMP, MODEL TEA1313-U-60"-K-6" c/w
003	3		TW U=2.5" 3/4"NPT 1/2" INST.MOD A34
004	3		DUMP, 1" FISHER 128PCC-18 CS 1/4" OR, NC, 0-20 PSI
005	3		LEV. GAUGE, PEMBERTHY 17L-7, CS W/ TRANS FLAT GLASS, SWEET
006	2		LEV. GAUGE, PEMBERTHY 17L-7, CS W/ TRANS FLAT GLASS, SWEET
007	3		SET GAUGE VALVES, PEMBERTHY 3304, 3/4" NPTM, CS, NACE
008	3		REG. 1/4" FISHER #67AFR-362, 5-35 PSI (WO PI)
009	3		CLOSE VALVE, 1-1/2" NPT NEWCO 281FS2 800# WOG CS
010	2		BALL VALVE, NUTRON TR20R08B 2"-600# CS RP
011	1		BALL VALVE, NUTRON TR30R08B 3"-600# CS RP
012	1		PSV, AXELSON-HF-48028 1 1/2"x2" 300/150# RFF ORFICE
013	1		P/N: 48028-25-1224F, SET @ 635 PSIG
014	1		PSV, AXELSON-HF-48028 1 1/2"x2" 600/150# RFF ORFICE
015	1		P/N: 48028-35-1225F, SET @ 1315 PSIG
016	9		VALVE, CENTURY CM11-3-M84T-A-V 3/4" NPTM X 1/2" NPTF CS
017	1		LEV. GAUGE, PEMBERTHY 17H-7, CS W/ TRANS FLAT GLASS, SWEET
018	3		CONE STRAINER, 6"-300# CS, 100% AREA, 316SS, 40 MESH, SCH XS
019	2		TI, TREND 33060 6" STEM BM 3" D DUAL 0-250 DEG. F
020	3		TI, TREND 33060 6" STEM BM 3" D DUAL 50-500 DEG. F
021	1		THERMOWELL, 1/2" X 3/4" NPTM X 4" LONG 304SS, U = 2 1/2"
022	1		CONE STRAINER, 4"-600# CS, 100% AREA, 316SS, 40 MESH, SCH XS
023	1		PSV, AXELSON-HF-48028 1 1/2"x2" 900/150# RFF ORFICE
024	1		P/N: 48028-45-1225F, SET @ 1440 PSIG
025	8		VB SW, MURPHY VS-2 ELECTRIC W/ MANUAL RESET
026	8		HCA - 8-1/8" K CLASS CYL (BY AREL)
027	2		HCA - 8-1/4" K CLASS CYL (BY AREL)
028	6		TEA1313-U-60"-K-6" c/w TW U=4.5" 3/4"NPT 1/2" INST.MOD A34
029	3		AUTO LOUVER ACTUATOR GARZO, MOUNTED BY AIR-X
030	3		TEMPERATURE CONTROLLER, HT12 C/W SS-12-SS X 1" NPT T'WELL
031	3		MTG BRACKET - FISHER 67AFR DWG. 9.8035
032	3		BALL VALVE, NUTRON TR07S208 1/2" RP CS W/ LATCHING HANDLE
033	3		PISTON CHECK VALVE, 1-1/2" NPT NEWCO 481FS2 800# WOG CS
034	7		BALL VALVE, NUTRON TR10S208 1" RP CS W/ HANDLE
035	4		ORFICE PLATE, TYPE 520 1/8 THK, 10"-900# RFF, 9.750" BORE, 304SS
036	2		ORFICE PLATE, TYPE 520 1/8 THK, 6"-900# RFF, 3.761" BORE, 304SS
037	2		ORFICE PLATE, TYPE 520 1/8 THK, 4"-1500# RFF, 3.828" BORE, 304SS
038	6		BOTTLE WEDGE SUPPORTS BY EOL
039	5		THERMOWELL, 1/2" X 3/4" NPTM X 6" LG 304SS/W 1/2" LG U = 4.5"
040	2		TI, TREND 33040 4" STEM BM 3" D DUAL 50-500 DEG. F
041	1		TI, TREND 33040 4" STEM BM 3" D DUAL 0-250 DEG. F
042	1		PI, WKA 233.53 4" LF 316 BT/STK BM 1/2" DUAL 0-200 PSI
043	1		PI, WKA 233.53 4" LF, 316 BT/STK, 1/2" BM, DUAL, 0-400#
044	1		PRESSURE IND. WKA 233.53, 4"DIAL, LF, 1/2"NPT, B.M., 1000 PSI, D.S.
045	3		NEEDLE VALVE, WHITEY S-1VSA, 1/4" TBG CS
046	1		NEEDLE VALVE, WHITEY S-1VSA, 3/8" TBG CS
047	3		PI, WKA 111.10, 2" BM 1/4" DUAL 0-60 PSI

GENERAL NOTES

- THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS STAMPED "ISSUED FOR CONSTRUCTION".
- ALL PROCESS PIPING TO BE CLAMPED AS NEAR TO ALL ELBOWS AS POSSIBLE, REFER TO DRAWING 12.8008.
- FOR DESIGN PARAMETERS REFER TO PROJECT SCOPE SUMMARY DRAWING.
- FOR CUSTOMER CONNECTIONS REFER TO GENERAL ARRANGEMENT DRAWING.
- PIPE NIPPLES 1-1/2" AND SMALLER TO BE MIN. 160 WALL THICKNESS.
- SET POINTS TO BE MONITORED AND REVISED UPON CONFIRMATION WITH ACTUAL PERFORMANCE PARAMETERS. (TSH = DISCHARGE TEMPERATURE (DEG. F) + 25 DEG. F.), (PSH AND OP TO BE CALCULATED BASED ON ACTUAL SUCTION/DISCHARGE PRESSURE AND CYLINDER ROD LOADING LIMITS).

LEGEND

- CUSTOMER CONNECTIONS
- LOCALLY MOUNTED
- 3RD CONTROL PANEL
- LOCAL GAUGE PANEL
- MANUFACTURED COMPONENTS
- MAJOR COMPONENTS
- VENT LINE (TUBING)
- DRAIN LINE (TUBING)
- OIL LINE (TUBING)
- PNEUMATIC SIGNAL (TUBING)
- ELECTRIC SIGNAL CONNECTIONS
- UTILITIES TUBING
- LOW POINT DRAIN (PLUGGED)
- ORFICE OR SPACER PLATE 1/8" THK
- ITEM TO BE SHIPPED LOOSE FOR FIELD INSTALLATION
- BLANCHARD CONNECTION
- INSTRUMENT SUPPLY GAS
- PROGRAMMABLE LOGIC CONTROL

REV	DESCRIPTION	DATE	ENG	DWN	CHK
8	AS BUILT PER RS02500 SCOPE OF WORK	02/03/04	M.G.	M.M.	M.G.
5	ADDED STAGE 2 DISCHARGE/STAGE 3 INLET CONNS	02-01-22	MG	LS	MG
4	REVISED PER RS02500 SCOPE OF WORK	02-01-14	MG	LS	MG
3	AS BUILT	98/04/27		PR	
2	FOR CONSTRUCTION	97/11/03		DWF	
1	FOR APPROVAL	97/09/16		LH	

ENERFLEX

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TITLE: PROCESS & INSTRUMENTATION DIAGRAM
ARIEL JGK/4, WAUKESHA 5780GL, AIR-X-144EH
COMPRESSOR PACKAGE

FOR: HUSKY ENERGY INC
(ASSUMPTION GAS PLANT)

CONSULTANT: NEAL GARTNER
P.O.:
DATE: 97/09/16
SCALE: N.T.S.

APP'D BY: B.T.
DATE: 97-11-03

LS'D: 14-03-110-03 WSM
JOB No.: RS02500
DWG. No.: PF98008
OPER'N #: 50

OLD JOB# 98008