

BILL OF MATERIAL

NOTE: ITEM No. = FIRST DIGIT (DWG REF.), LAST TWO DIGITS (Item No.)

ITEM	PART NO.	QTY.	DESCRIPTION
505	1	1	VALVE, CONTROL, FISHER, 1052-V200-4150KR 2" 150-600CL, WCC STEEL BODY, FAIL CLOSED, 4150KR PRESSURE CONTROLLER, 0-200PSI BOURDON TUBE, 30-6 PSI OUTPUT REVERSE ACTING REGULATOR, FISHER, 67CFR-362,5-35PSI RANGE
520	1	1	FARRIS 380C12-120/00 RELIEF VALVE; TAG: STAGE 1 DISCHARGE; 1" 300CL RF, 2" 150CL RF, SET @ 600PSIG/350F (GAS) S/N: 482057-1-DA
530	1	1	FARRIS 380C12-120/00 RELIEF VALVE; TAG: STAGE 2 DISCHARGE; 1" 600CL RF, 2" 150CL RF, SET @ 750PSIG/350F (GAS) S/N: 482058-1-DA
566	1	1	VALVE, CHECK, PISTON WHEATLEY, 2"-600CL RF, NACE, NON SLAM
567	1	1	VALVE, BALL, WKM, 2"-600CL RF, RP, NACE
568	1	1	VALVE, BALL, WKM 1-1/2" 300CL RF RP, NACE
569	1	1	VALVE, BALL, WKM 1-1/2" 600CL RF FP, NACE
570	1	1	VALVE, CONTROL, FISHER, 657-30-D-BODY 1"-600CL, LCC STEEL BODY, FAIL OPEN, 4150KR PRESSURE CONTROLLER, 0-1500PSI BOURDON TUBE, 6-30 PSI OUTPUT DIRECT ACTING REGULATOR, FISHER, 67CFR-362,5-35PSI RANGE
576	1	1	VALVE, BALL, WKM, 1"-300CL, NACE
585	4	4	VALVE, NEEDLE, CENTURY, 1/4" X 1/4" MXF, NACE
586	2	2	REGULATOR, FISHER, 67CFR-362,5-35PSI RANGE
597	3	3	BLIND, SPEC, 2"-300CL RF SAS18-70N

AS BUILT

BY:

DATE:

05/02/06

CUSTOMER CONNECTIONS

TAG	DESCRIPTION	SIZE/VOLTAGE	TAG	DESCRIPTION	SIZE/VOLTAGE
601	SUCTION INLET	3"-300CL RF			
611	FINAL DISCHARGE	2"-600CL RF			
614	FLARE HEADER	2"-150CL RF			
615	SCRUBBER DRAIN HEADER	1-1/2" NPT			
616	ALT FUEL/START GAS INLET	2"-150CL RF			

GENERAL NOTES

- PROCESS INSTRUMENT LINES: 316SS TUBING w/ 1/4" SWAGelok
316 SS FITTINGS &
316SS FERRULES
- UTILITY INSTRUMENT LINES: 316SS TUBING w/ 1/4" STANDARD SWAGelok
ZINC PLATED CS FITTINGS w/ 316SS (AD)
BACK FERRULE & CS FRONT FERRULE
- INSTRUMENT MEDIUM: CLEAN, DRY GAS
- ALL PIPING AS PER CNRL SPEC 8.01 (PROCESS ONLY)
- ALL FITTINGS AS PER CNRL SPEC 8.01 (PROCESS ONLY)
- CORROSION ALLOWANCE: 1/8" (0.125")
- AREA CLASSIFICATION: CLASS 1, DIV. 2 (TO BE VERIFIED BY CUSTOMER)
- VENT TO SAFE AREA "SAFE AREA" SHALL BE AN AREA OUTSIDE ENCLOSURE.
VENTS SHALL BE DIRECTED TO AVOID RECIRCULATION INTO THE BUILDING
VIA VENTS, INGESTION INTO THE ENGINE AIR INTAKE OR IMPINGEMENT
ON ANY HOT SURFACES (SILENCERS, CATALYTIC CONVERTER,
ENGINE EXHAUST PIPING.)
- SURFACE PREP.: SSPC-SP2
PAINT (1) COAT: INDUSTRIAL ENAMEL - F34 WARM GREY
- ENG: COMP/CYL, COOLER TO REMAIN PAINTED AS RECEIVED

STAMP AREA

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WHOLE OR PART WITHOUT THE WRITTEN PERMISSION OF NGC PROCESS SYSTEMS,
IS STRICTLY PROHIBITED.

2	RLP	AH	AS-BUILT	05/02/06
1	RLP	AH	CUSTOMER REVIEW CHANGES	01/27/06
0	RLP	AH	ISSUED FOR FABRICATION	01/24/06
A	AH	AH	ISSUED FOR APPROVAL	10/19/05
REV.	BY	CHK'D	REVISION DESCRIPTION	DATE

NGC

PROCESS SYSTEMS

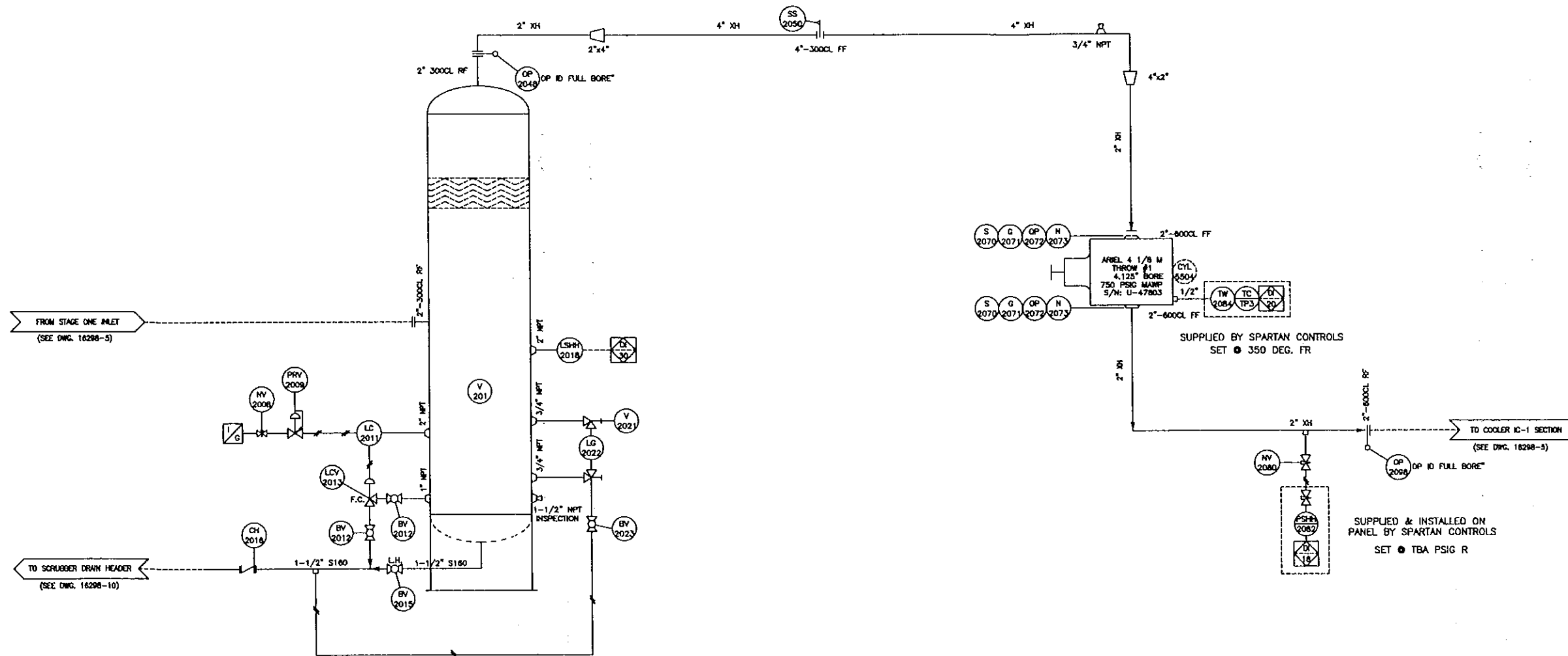
TITLE: PROCESS AND INSTRUMENT DIAGRAM
CATERPILLAR G3304NA; ARIEL JCA/2; CSC L48
NGC9SHIP LP 2X SOUR NATURAL GAS COMPRESSOR PACKAGEEND USER/CONSULTANT:
CNRL

LOCATION: TEA

REVISION: 2

DWG. REFERENCE:
DWG. No. 16298-5
(SHEET 1 OF 1)

STG. #2 SUCTION SCRUBBER (WESHPAD)
10.75" O.D. x 80" S/S
O.P. = 655 PSIG @ 300°F
C.A. = 0.125"



BILL OF MATERIAL

NOTE: ITEM No. = FIRST TWO DIGITS (DWG REF.), LAST TWO DIGITS (Item No.)

[illegible]

AS FHLT

BY: [Signature]
DATE: 05/22/07

[illegible]

GENERAL NOTES

- | | | |
|--|--|--|
| 1. PROCESS INSTRUMENT LINES: | 316SS TUBING c/w 1/4" SWAGelok
316 SS FITTINGS &
316SS FERRULES. | 8. VENT TO SAFE AREA. "SAFE AREA" SHALL BE AN AREA OUTSIDE ENCLOSURE. VENTS SHALL BE DIRECTED TO AVOID RECIRCULATION INTO THE BUILDING VIA VENTS, INGESTION INTO THE ENGINE AIR INTAKE OR IMPINGEMENT ON ANY HOT SURFACES (SILENCERS, CATALYTIC CONVERTER, ENGINE EXHAUST PIPING.) |
| 2. UTILITY INSTRUMENT LINES: | 316SS TUBING c/w 1/4" STANDARD SWAGelok
ZINC PLATED CS FITTINGS w/ 316SS (AG)
BACK FERRULE & CS FRONT FERRULE. | 9. SURFACE PREP: SSPC-SP2
PAINT (1) COAT: INDUSTRIAL ENAMEL - F34 WARM GREY |
| 3. INSTRUMENT MEDIUM: | CLEAN, DRY GAS | 10. ENG; COMP/CTL, COOLER TO REMAIN PAINTED AS RECEIVED |
| 4. ALL PIPING AS PER CHRL SPEC 8.01 (PROCESS ONLY) | | |
| 5. ALL FITTINGS AS PER CHRL SPEC 8.01 (PROCESS ONLY) | | |
| 6. CORROSION ALLOWANCE: 1/8" (0.125") | | |
| 7. AREA CLASSIFICATION: | CLASS 1, DIV. 2 (TO BE VERIFIED BY CUSTOMER) | |

STAMP AREA

NGC PROCESS SYSTEMS

10 TITLE: STAGE TWO PRESSURE VESSEL SYSTEM

CUMMINS G855C188; ARIEL JGA/2 ; AXC 54 V
NGC95HP LP 2% SOUR NATURAL GAS COMPRESSOR PACKAGE

END USER/CONSULTANT:	CUST. P.O. No.:
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CNRL			
LOCATION:		REVISION:	2

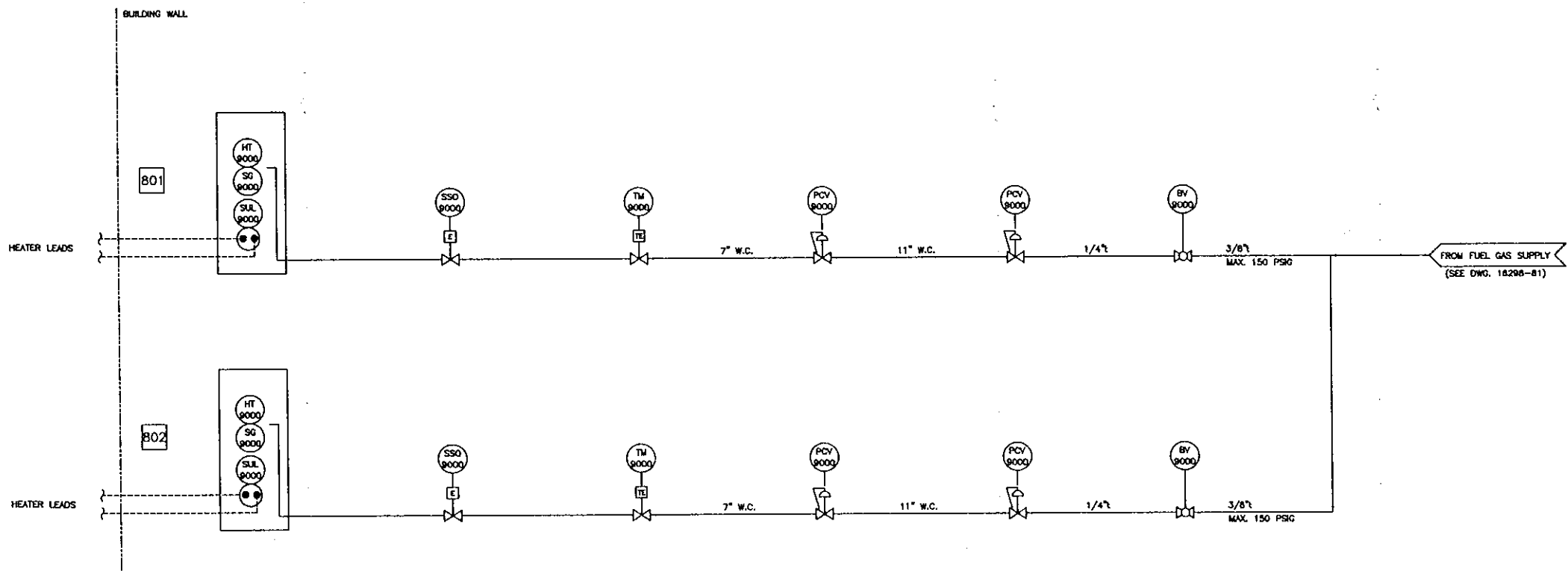
06	TBA			OWG. REFERENCE:
06	COARM.	PLC	W.C. H.	14208-NS

06	DATE:	01/24/06	UNIT No.	-	DWG. No.
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05	CHK'D:	A.H.	No. REQ'D:	ONE (1)	16298-2 (SHEET 1 OF 1)
	PROJ. MGR.	A.H.	SCALE:	N.T.S.	

BILL OF MATERIAL

NOTE: ITEM No. = FIRST TWO DIGITS (DWG. REF.), LAST TWO DIGITS (Item No.)				
ITEM	PART NO.	TOTAL QUANTITY	DESCRIPTION	REV
9000		2.00 EA	CIS-CAN INFRA-RED HEATER	
			SIDE MOUNTED	
			RATED INPUT: 18,000 BTU	
			(12V NATURAL GAS)	
			P/N: MK24-24-111111-1 12VDC C/W	
			(1) AC-LEAD-25/25 FT BATTERY LEADS	
			(2) AC-GRILL-12x24 PROTECTION GRILL	
			(1) AC-TC-8000N-7 TEMP CNTRL VALVE	
			(1) AC-R-912 REGULATOR	
			(1) EA. REGULATOR	



AS BUILT

BY: [Signature]
DATE: 05/12/06

CUSTOMER CONNECTIONS

GENERAL NOTES

STAMP AREA

NGC PROCESS SYSTEMS

TITLE: BUILDING HEATING SYSTEM SCHEMATIC
CATERPILLAR G3304NA; ARIEL JGA/2; CSC L48
NGC95HP LP 2% SOUR NATURAL GAS COMPRESSOR PACKAGE

END USER/CONSULTANT: CNRL
LOCATION: TBA
CUST. P.O. No.:
REVISION: 1
DWG. REFERENCE:

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1	RLP	AH	AS-BUILT	05/02/06	DRAWN: RLP	DATE: 10/14/05	UNIT No. 16298-NS
0	RLP	AH	ISSUED FOR FABRICATION	01/27/08	DATE: 10/14/05	UNIT No. -	
A	AH	AH	ISSUED FOR APPROVAL	10/19/05	DATE: 10/19/05	UNIT No. ONE (1)	
REV.	BY	CHK'D	REVISION DESCRIPTION	DATE	PROJ. MGR.	A.H.	SCALE: N.T.S.

DWG. No. 16298-90
(SHEET 1 OF 1)

