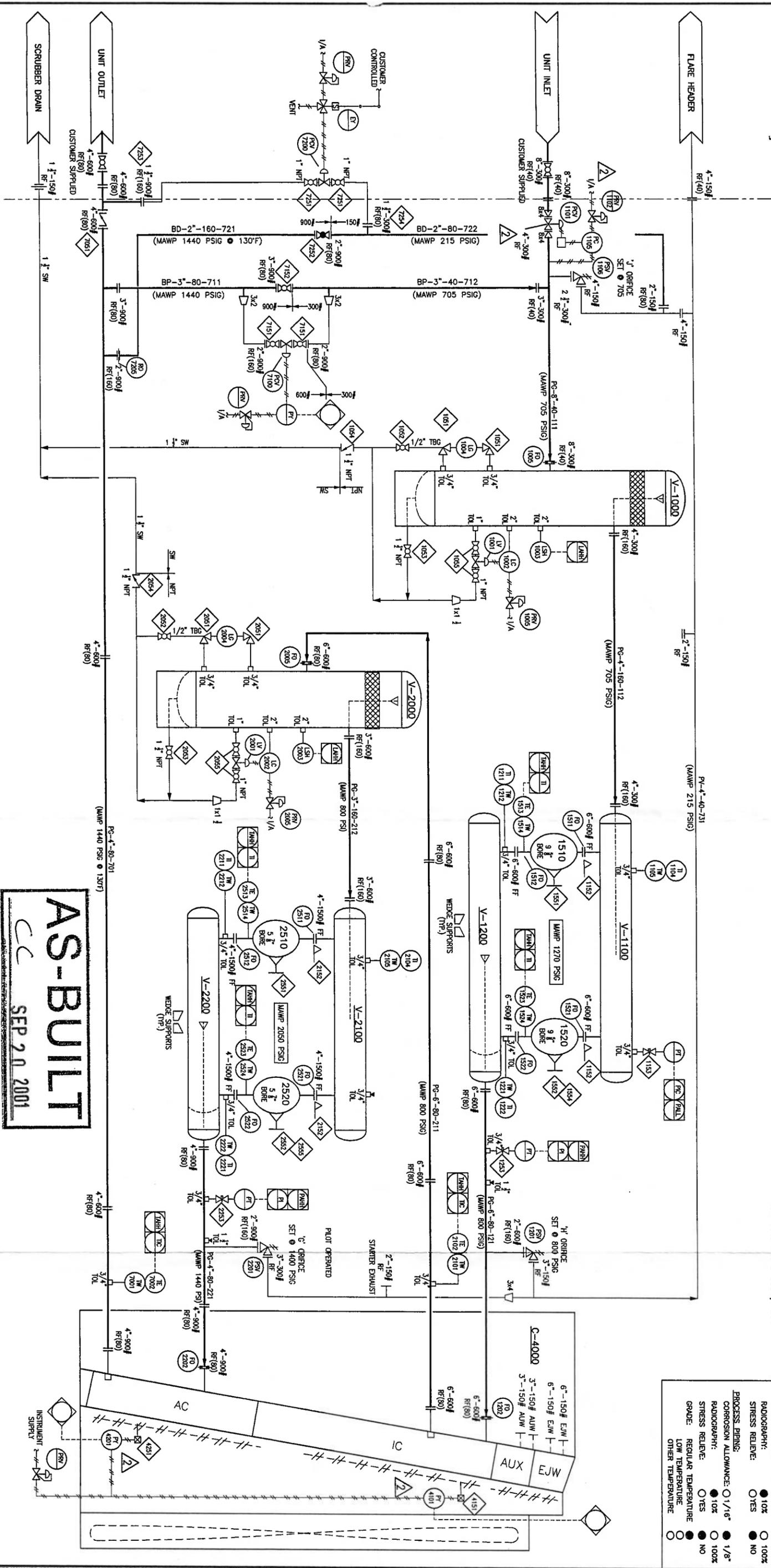


- V-1000  
SUCTION SCRUBBER  
36" OD x 72" S/S  
705 PSIG @ 150°F  
S/N: V1000-01-0003  
CRN: P5891.2
- V-2000  
INTERSTAGE SCRUBBER  
30" OD x 72" S/S  
800 PSIG @ 150°F  
S/N: V2000-01-0003  
CRN: P5887.2
- V-1100  
1ST STAGE SUCTION BOTTLE  
18" OD x 66" S/S  
705 PSIG MAWP @ 150°F  
S/N: V1100-01-0004  
CRN: P5894.2
- V-1200  
1ST STAGE DISCHARGE BOTTLE  
18" OD x 132" S/S  
800 PSIG @ 350°F  
S/N: V1200-01-0004  
CRN: P5886.2
- V-2100  
2ND STAGE SUCTION BOTTLE  
16" OD x 66" S/S  
800 PSIG @ 150°F  
S/N: V2100-01-0004  
CRN: P5888.2
- V-2200  
2ND STAGE DISCHARGE BOTTLE  
16" OD x 132" S/S  
1440 PSIG @ 350°F  
S/N: V2200-01-0003  
CRN: P5899.2
- 4000  
COOLER  
AR-X-CHANGERS MODEL: 144EH  
EJW: 14 PSI @ 300°F/-20°F  
AUW: 14 PSI @ 300°F/-20°F  
IC: 800 PSI @ 350°F/-20°F  
AC: 1440 PSI @ 350°F/-20°F



DESIGN DATA

ALL PIPING DESIGN IN ACCORDANCE WITH B31.3  
ALL STUDS TO BE ERM, WITH ZHM NOTS  
ALL GASKETS TO BE 316SS

VESSELS

CORROSION ALLOWANCE: ○ 1/16" ○ 1/8"  
RADIOGRAPH: ○ 10% ○ 100%  
STRESS RELIEF: ○ YES ○ NO  
COOLER SECTIONS: ○ 1/16" ○ 1/8"  
CORROSION ALLOWANCE: ○ 1/16" ○ 1/8"  
RADIOGRAPH: ○ 10% ○ 100%  
STRESS RELIEF: ○ YES ○ NO

PROCESS PIPING:

CORROSION ALLOWANCE: ○ 1/16" ○ 1/8"  
RADIOGRAPH: ○ 10% ○ 100%  
STRESS RELIEF: ○ YES ○ NO  
GRADE: ○ REGULAR TEMPERATURE ○ LOW TEMPERATURE ○ OTHER TEMPERATURE

AS-BUILT

CC SEP 20 2001

MAJOR COMPONENTS		LINE DESIGNATION		DESCRIPTION		REVISIONS	
SERVICE	SWEET	XX-XX-XX-XXX		DESCRIPTION	REV	DATE	BY
COMPRESSOR	ARIEL JGK-4	XX-XX-XX-XXX		AS-BUILT	2	09.14.01	DBT
DRIVER	L7042GL	XX-XX-XX-XXX		ISSUED FOR CONSTRUCTION	1	07.26.01	LJP
DISTANCE PIECE	SINGLE COMPARTMENT	XX-XX-XX-XXX		ISSUED FOR APPROVAL	0	07.12.01	LJP
COOLER	AR-X-CHANGERS 144EH	XX-XX-XX-XXX					
PANEL	SPARTAN SLC 5/04	XX-XX-XX-XXX					
COUPLING	CMR 700	XX-XX-XX-XXX					

LOCATION	DATE	BY	CHK
10-29-96-11W06	07.12.01	LJP	

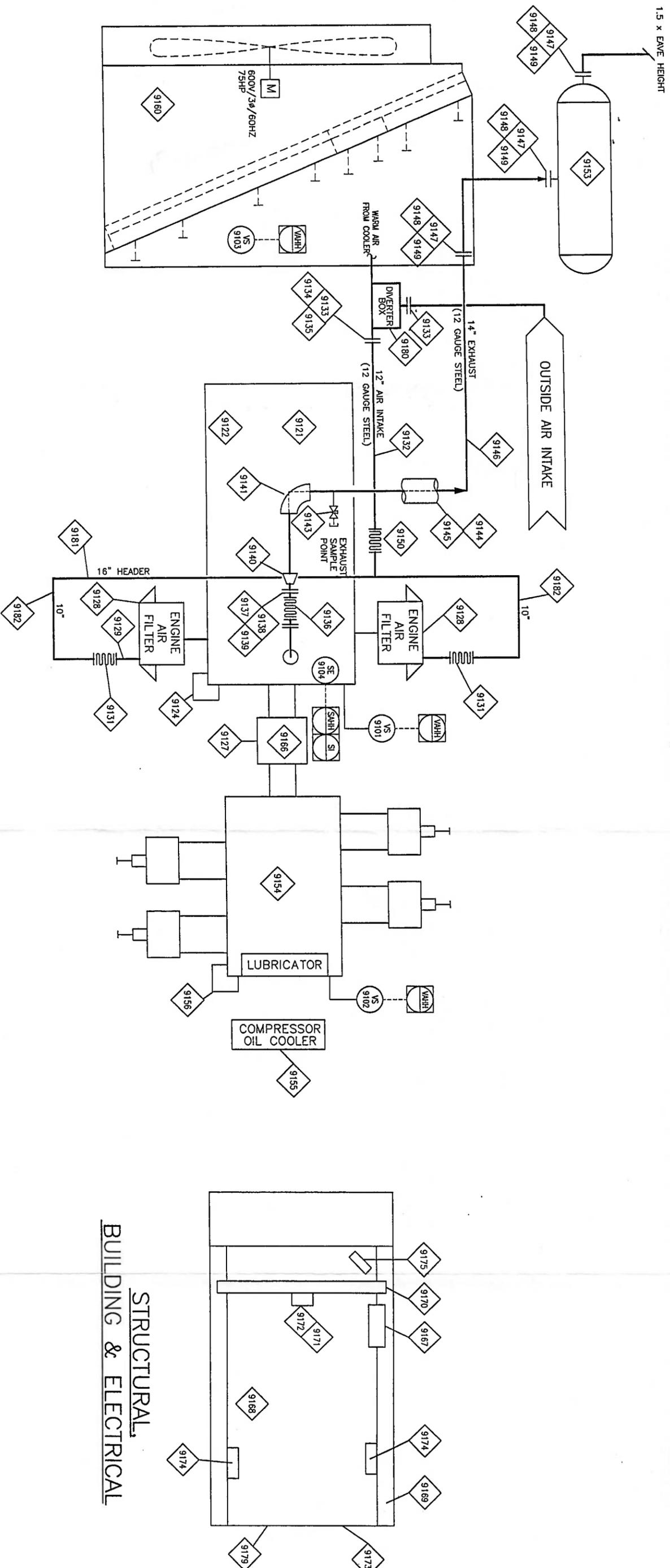
CUSTOMER		APACHE CANADA LIMITED	
PROJECT	D.KREUTZ	DATE	07.11.01
DESIGNER	L.PODLUBNY	DATE	07.11.01
ENGINEER	C.CLARK	DATE	07.11.01
DRIVER	D.KREUTZ	DATE	07.11.01

Collicutt Hanover SERVICES LTD.		CORPORATE OFFICE	
7590 EDGAR INDUSTRIAL DRIVE RED DEER AB CANADA		7590 EDGAR INDUSTRIAL DRIVE RED DEER AB CANADA	
1747 3RD FLOOR (403) 356-3200 FAX (403) 356-3210		1747 3RD FLOOR (403) 356-3200 FAX (403) 356-3210	

NO.	REV.	DATE	DESCRIPTION
	2		2698A01 A



9100 SERIES  
MAJOR EQUIPMENT

STRUCTURAL,  
BUILDING & ELECTRICAL

**AS-BUILT**  
SEP 20 2001

SHOP NOTES

- LOCAL MOUNTED DEVICES
- ⊖ PANEL MOUNTED DEVICES

DESCRIPTION	DRAWING	REV	DESCRIPTION	DATE	BY	CHK
STANDARD	UC-7042K4144EHA	0	ISSUED FOR APPROVAL	07.11.01	LLP	
		1	ISSUE FOR CONSTRUCTION	07.26.01	CM	
		2	AS-BUILT	09.13.01	DBT	

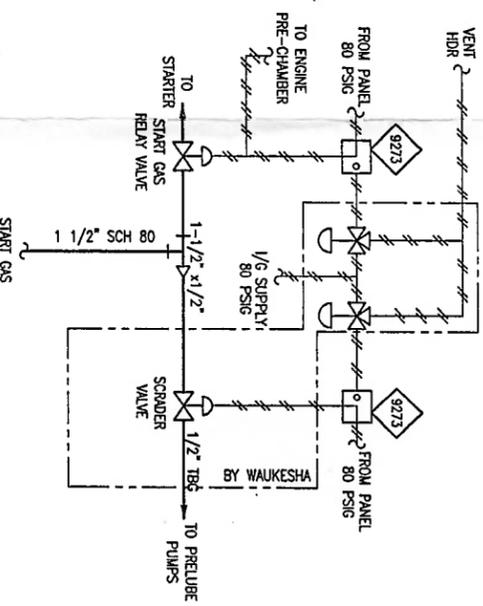
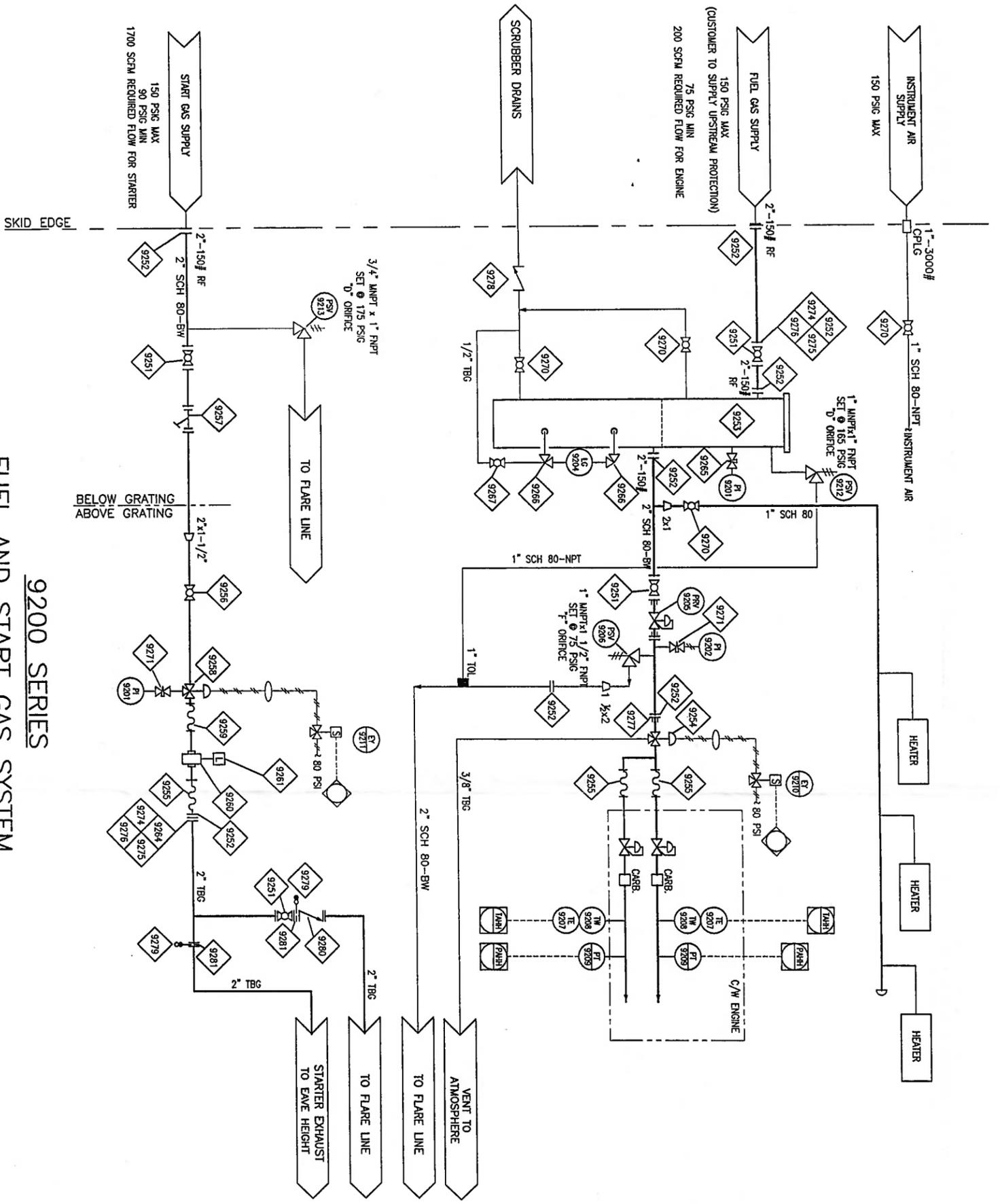
DESCRIPTION	DRAWING	REV	DESCRIPTION	DATE	BY	CHK
REFERENCE DRAWINGS						
REVISIONS						

CUSTOMER	APACHE CANADA LIMITED
LOCATION	10-29-96-11W06
DRAWN	L.PODLUBNY
CHECKED	D.KREUTZ
DATE	07.11.01
DESIGNED	D.DIER
DATE	07.11.01
PROJECT	FH225
REV	2
DWG	2699A01

<b>Collicutt Hanover</b>	
SERVICES LTD.	
CORPORATE OFFICE	
7550 EDGAR INDUSTRIAL DRIVE REDDEAR AB CANADA	
T4P 3R2 PHONE (403) 358-3200 FAX (403) 358-3210	
2 STAGE COMPRESSOR PACKAGE	
MAJOR EQUIPMENT	
7042GLGK-4144EH	



**9200 SERIES  
FUEL AND START GAS SYSTEM**

- SHOP NOTES**
- LOCAL MOUNTED DEVICES
  - ⊖ PANEL MOUNTED DEVICES

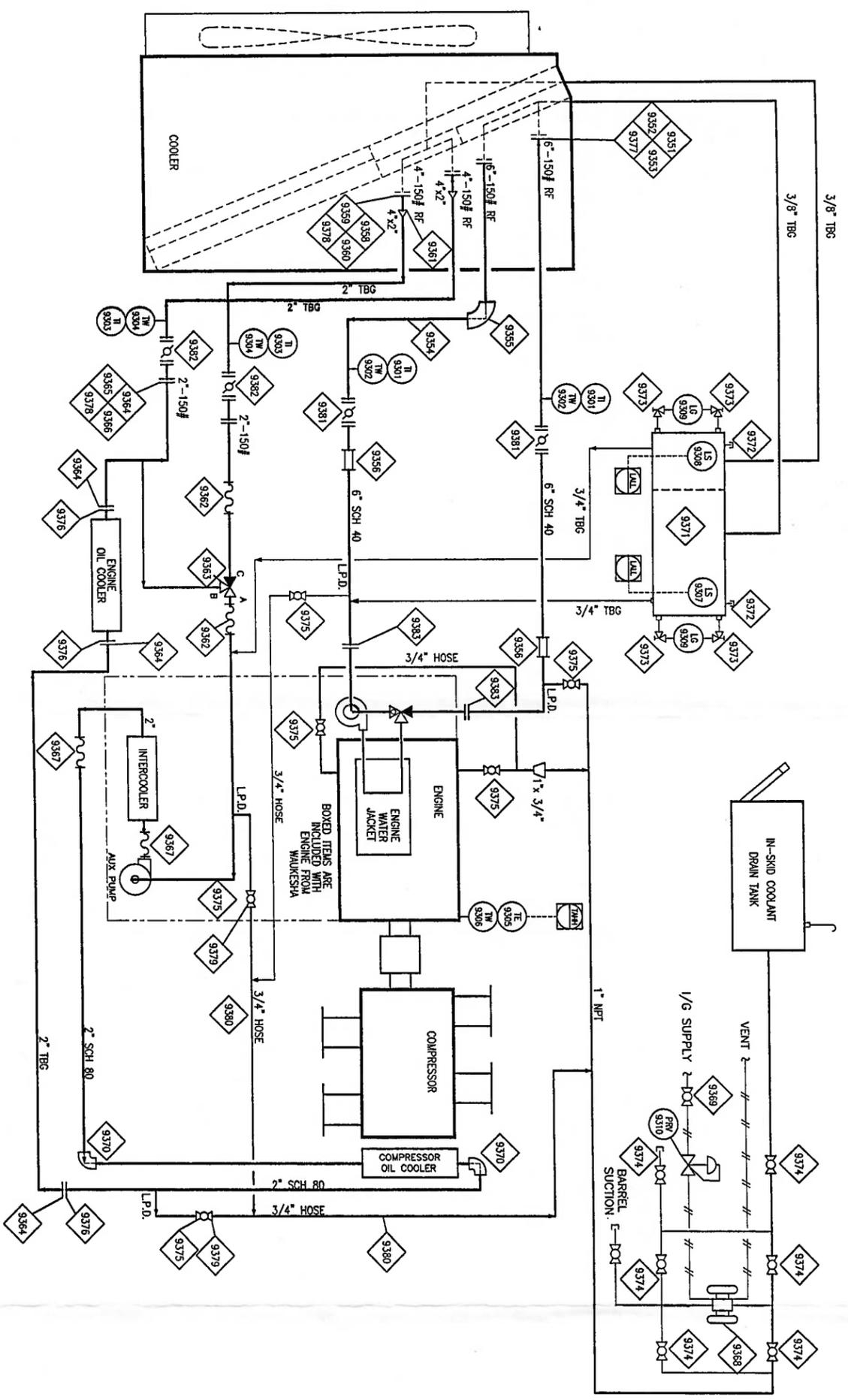
REFERENCE DRAWINGS				REVISIONS			
DESCRIPTION	DRAWING	REV	DATE	DESCRIPTION	DATE	BY	CHK
STANDARD	UC-7042K4144EH	0	07.11.01	ISSUED FOR APPROVAL	07.11.01	LLP	
		1	07.26.01	ISSUED FOR CONSTRUCTION	07.26.01	CM	
		2	09.13.01	AS-BUILT	09.13.01	DBT	

CUSTOMER	APACHE CANADA LIMITED	LOCATION	10-29-96-11W06
<b>Collicutt Hanover</b> SERVICES LTD. CORPORATE OFFICE 7550 EDGAR INDUSTRIAL DRIVE RED DEER, AB CANADA 748 3RD PHONE (403) 358-3200 FAX (403) 358-3210		DWN LPDOLUBNY 07.11.01	ENGR D.DIEP 07.11.01
2 STAGE COMPRESSOR PACKAGE FUEL & START GAS 7042GLGK-4144EH		DWN D.KREUTZ 07.11.01	DWN LPDOLUBNY 07.11.01

**AS-BUILT**  
SEP 20 2001

- SHOP NOTES
- LOCAL MOUNTED DEVICES
  - ⊖ PANEL MOUNTED DEVICES

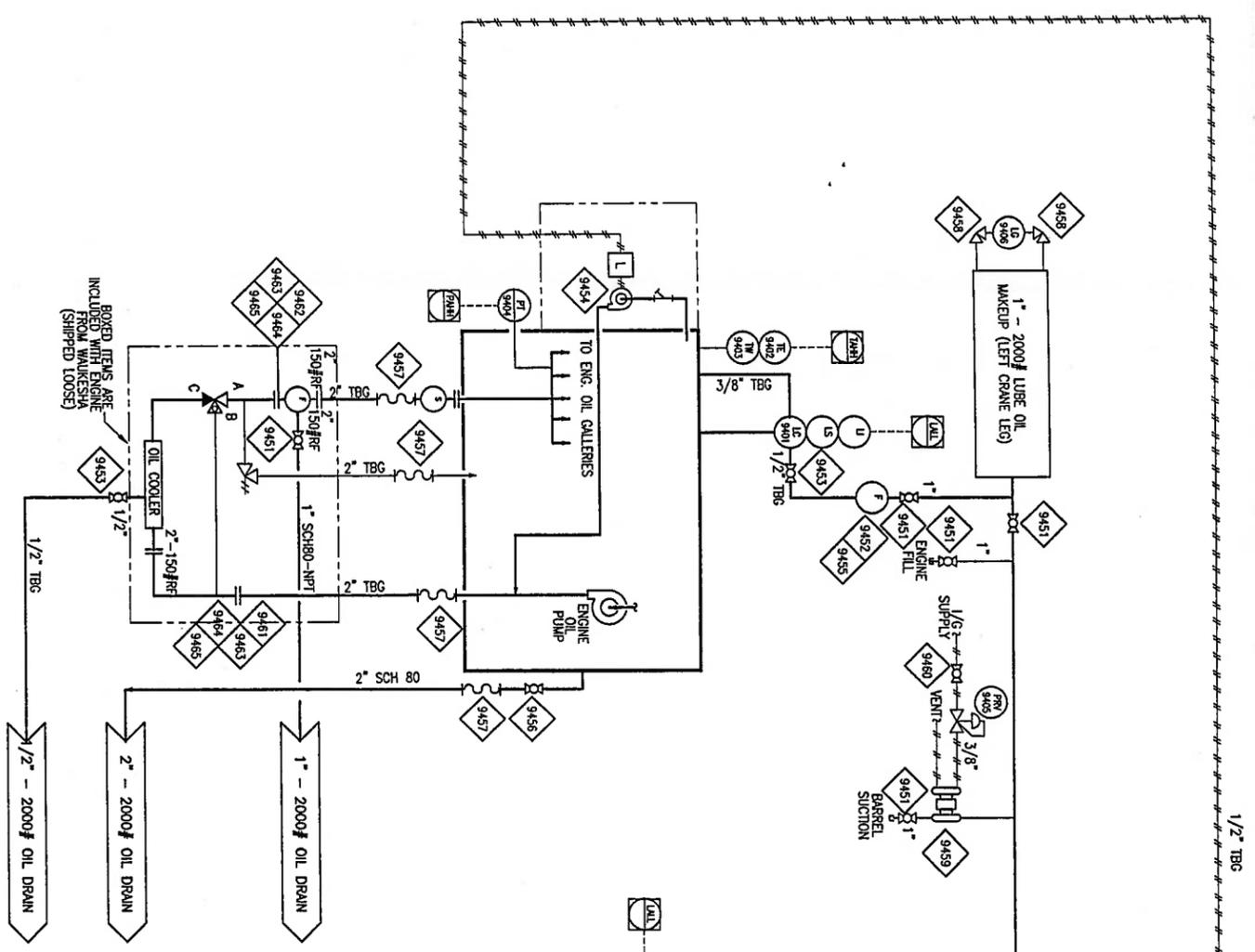


9300 SERIES  
COOLANT UTILITIES

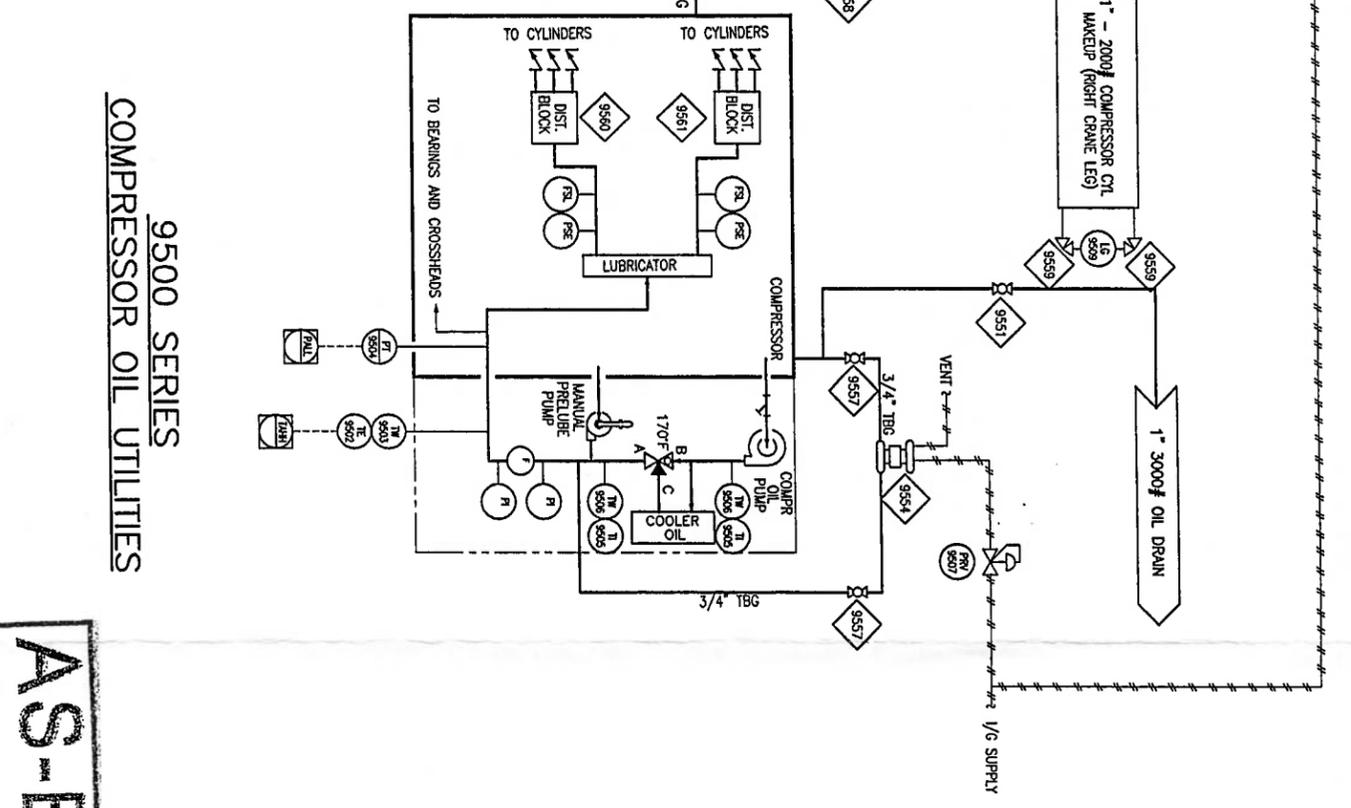
**AS-BUILT**  
SEP 20 2001

REFERENCE DRAWINGS		REVISIONS		CUSTOMER		DRAWN		CHK	
UC-7042K4144EH	DRAWING	REV	DESCRIPTION	DATE	BY	CHK	LOC	DATE	DATE
		0	ISSUED FOR APPROVAL	07.11.01	LLP		10-29-96-11W06	07.11.01	07.11.01
		1	ISSUED FOR CONSTRUCTION	07.26.01	GM				
		2	AS-BUILT	09.13.01	DBT				
STANDARD		APACHE CANADA LIMITED		SERVICES LTD.		CORPORATE OFFICE		2 STAGE COMPRESSOR PACKAGE	
DESCRIPTION		APACHE CANADA LIMITED		CORPORATE OFFICE		7550 EDGAR INDUSTRIAL DRIVE RED DEER AB CANADA		COOLANT UTILITIES	
DRAWING		APACHE CANADA LIMITED		CORPORATE OFFICE		T4P 9B2 PHONE (403) 358-5200 FAX (403) 358-3210		7042GJJK-4/144EH	
REV		APACHE CANADA LIMITED		CORPORATE OFFICE		T4P 9B2 PHONE (403) 358-5200 FAX (403) 358-3210		FH225	
DESCRIPTION		APACHE CANADA LIMITED		CORPORATE OFFICE		T4P 9B2 PHONE (403) 358-5200 FAX (403) 358-3210		2	
DRAWING		APACHE CANADA LIMITED		CORPORATE OFFICE		T4P 9B2 PHONE (403) 358-5200 FAX (403) 358-3210		2699A01	

- SHOP NOTES
- LOCAL MOUNTED DEVICES
  - ⊖ PANEL MOUNTED DEVICES



9400 SERIES  
ENGINE OIL UTILITIES



9500 SERIES  
COMPRESSOR OIL UTILITIES

**AS-BUILT**  
SEP 20 2001

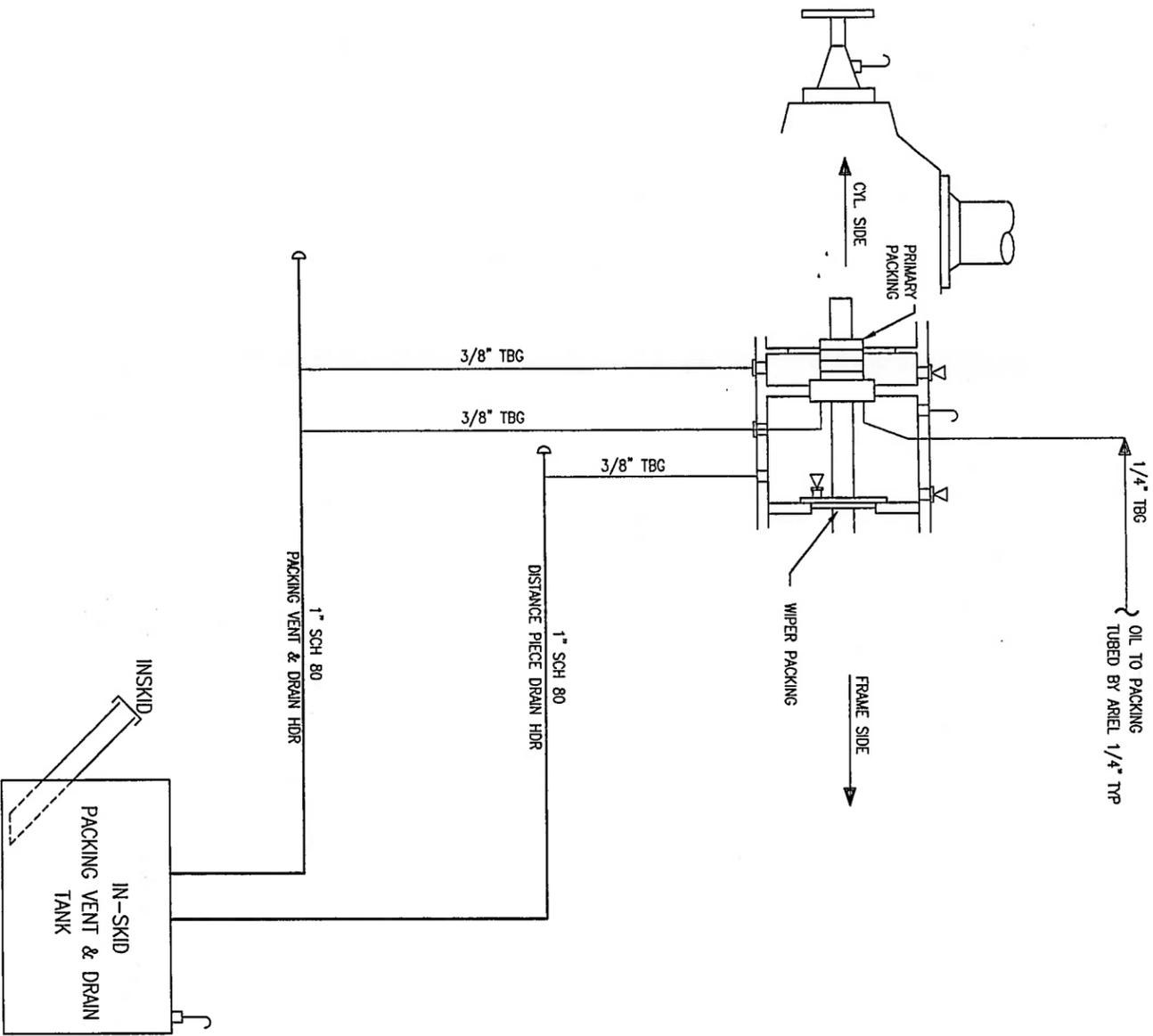
REV	DESCRIPTION	DATE	BY	CHK
2	AS-BUILT	09.13.01	DBT	
1	ISSUED FOR CONSTRUCTION	07.26.01	CM	
0	ISSUED FOR APPROVAL	07.11.01	LLP	

REV	DESCRIPTION	DATE	BY	CHK
2	AS-BUILT	09.13.01	DBT	
1	ISSUED FOR CONSTRUCTION	07.26.01	CM	
0	ISSUED FOR APPROVAL	07.11.01	LLP	

CUSTOMER  
**APACHE CANADA LIMITED**

**Collicutt Hanover SERVICES LTD.**  
CORPORATE OFFICE  
7550 EDGAR INDUSTRIAL DRIVE RED DEER, AB CANADA  
749 382 PHONE (403) 358-3200 FAX (403) 358-3210

2 STAGE COMPRESSOR PACKAGE  
OIL UTILITIES  
7042GLJGK-4/144EH



SWEET:  
TYPICAL ALL CYLINDERS

**AS-BUILT**  
CC  
SEP 20 2001

REFERENCE DRAWINGS		REVISIONS	
DESCRIPTION	DRAWING	REV	DESCRIPTION
STANDARD	UC-7042G/144EH	0	ISSUED FOR APPROVAL
		1	ISSUED FOR CONSTRUCTION
		2	AS-BUILT

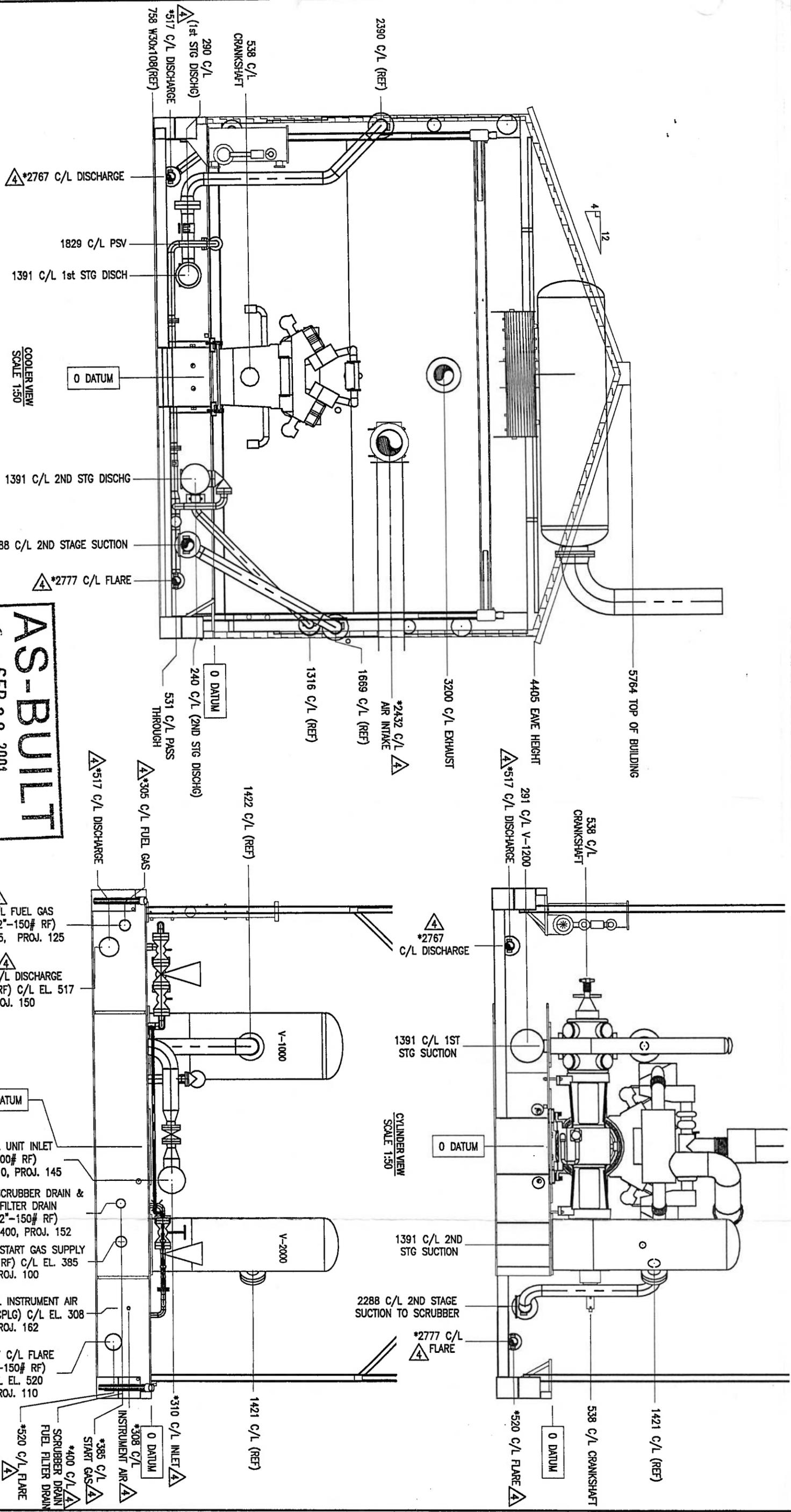
CUSTOMER	
APACHE CANADA LIMITED	
LOCATION	10-29-96-11W06

Collcutt Hanover SERVICES LTD.			
DATE	BY	CHK	
07.11.01	LJP		
07.26.01	CM		
09.13.01	DBT		

CORPORATE OFFICE		CORPORATE OFFICE	
7550 EDGAR INDUSTRIAL DRIVE, RED DEER, AB CANADA	7550 EDGAR INDUSTRIAL DRIVE, RED DEER, AB CANADA	7550 EDGAR INDUSTRIAL DRIVE, RED DEER, AB CANADA	7550 EDGAR INDUSTRIAL DRIVE, RED DEER, AB CANADA
14P-982 PHONE (403) 358-3200 FAX (403) 358-3210			







**AS-BUILT**  
 SEP 20 2001

MAJOR EQUIPMENT		REVISIONS	
COMPRESSOR	ARIEL JGK-4	4	AS-BUILT
CROSSHEAD GUIDE	LONG SINGLE COMPARTMENT	3	ADD INSTRUMENT AIR CONNECTION
V1 BOREMODEL	9.625" 9 5/8"K	2	ADJUSTED DIMENSIONS
L1 BOREMODEL	9.625" 9 5/8"K	1	ISSUED FOR CONSTRUCTION
CYL BOREMODEL	5.875" 6 1/4"K	0	ISSUE FOR APPROVAL
CYL BOREMODEL	5.875" 6 1/4"K		
COUPLING	THOMAS PEYXORD CMF700-28		
PROCESS PAID	2698A01	DESCRIPTION	DATE
REFERENCE DRAWINGS	DRAWING	BY	CN

CUSTOMER CONNECTIONS SCALE 1:50

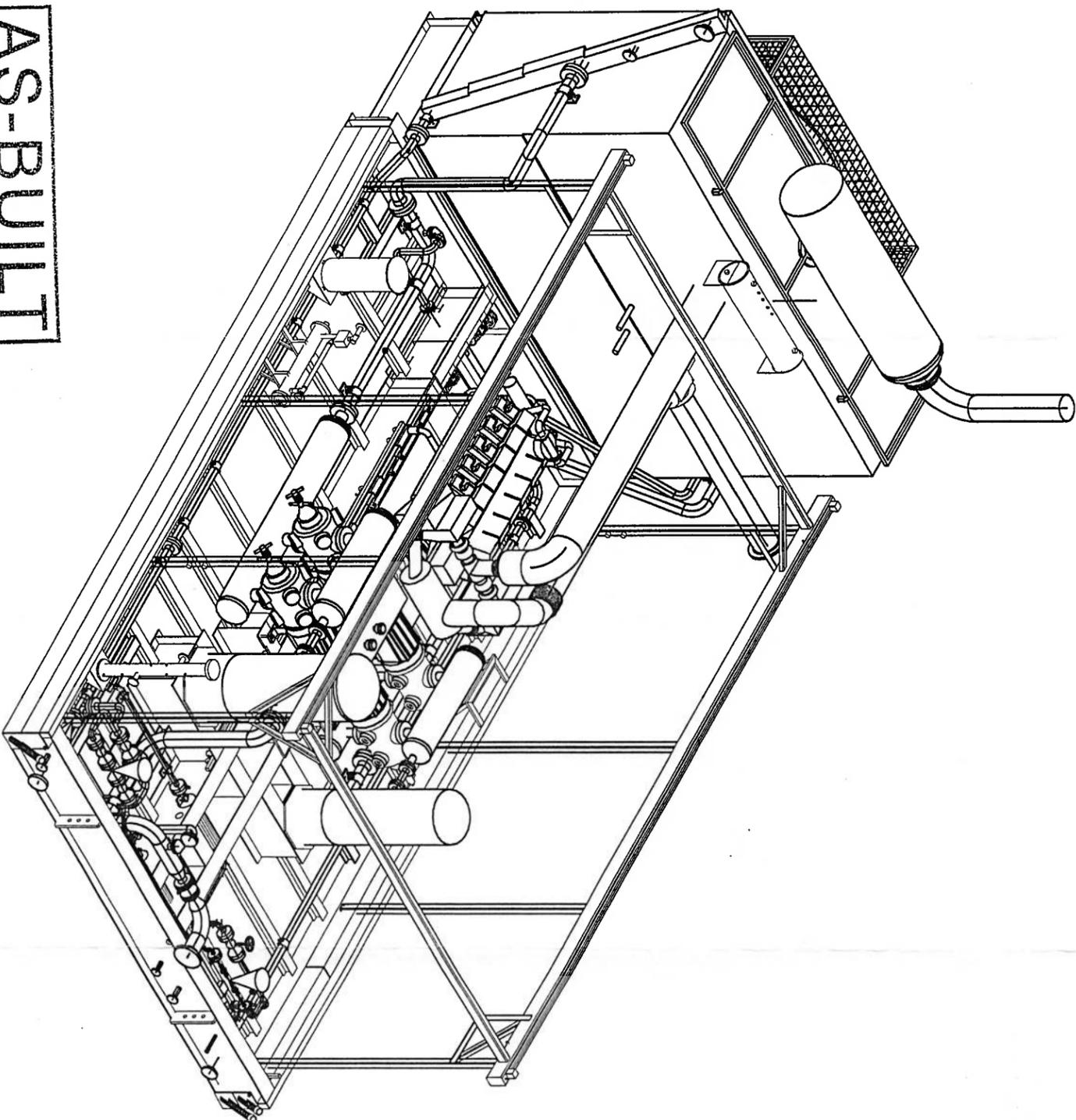
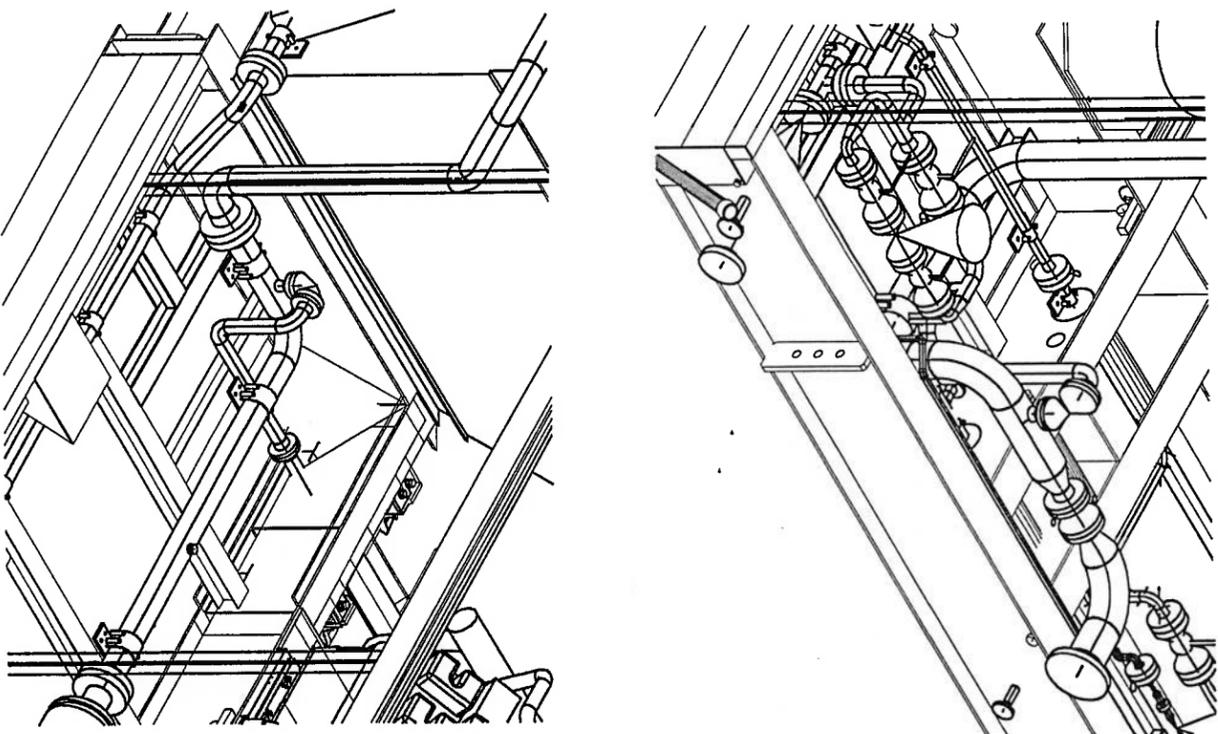
APACHE CANADA

**Collicutt Hanover**  
 SERVICES LTD.  
 CORPORATE OFFICE  
 7550 EDGAR INDUSTRIAL DRIVE RED DEER, AB CANADA  
 T4P 3R2 PHONE (403) 358-3200 FAX (403) 358-3210

TWO STAGE COMPRESSOR PACKAGE  
 L7042G/JGK-4/144EH  
 GENERAL ARRANGEMENT

DATE	BY	DESCRIPTION
09.10.01	DBT	
08.30.01	DBT	
07.27.01	CM	
07.25.01	DBT	
07.17.01	JCH	

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**AS-BUILT**  
 CC SEP 20 2001

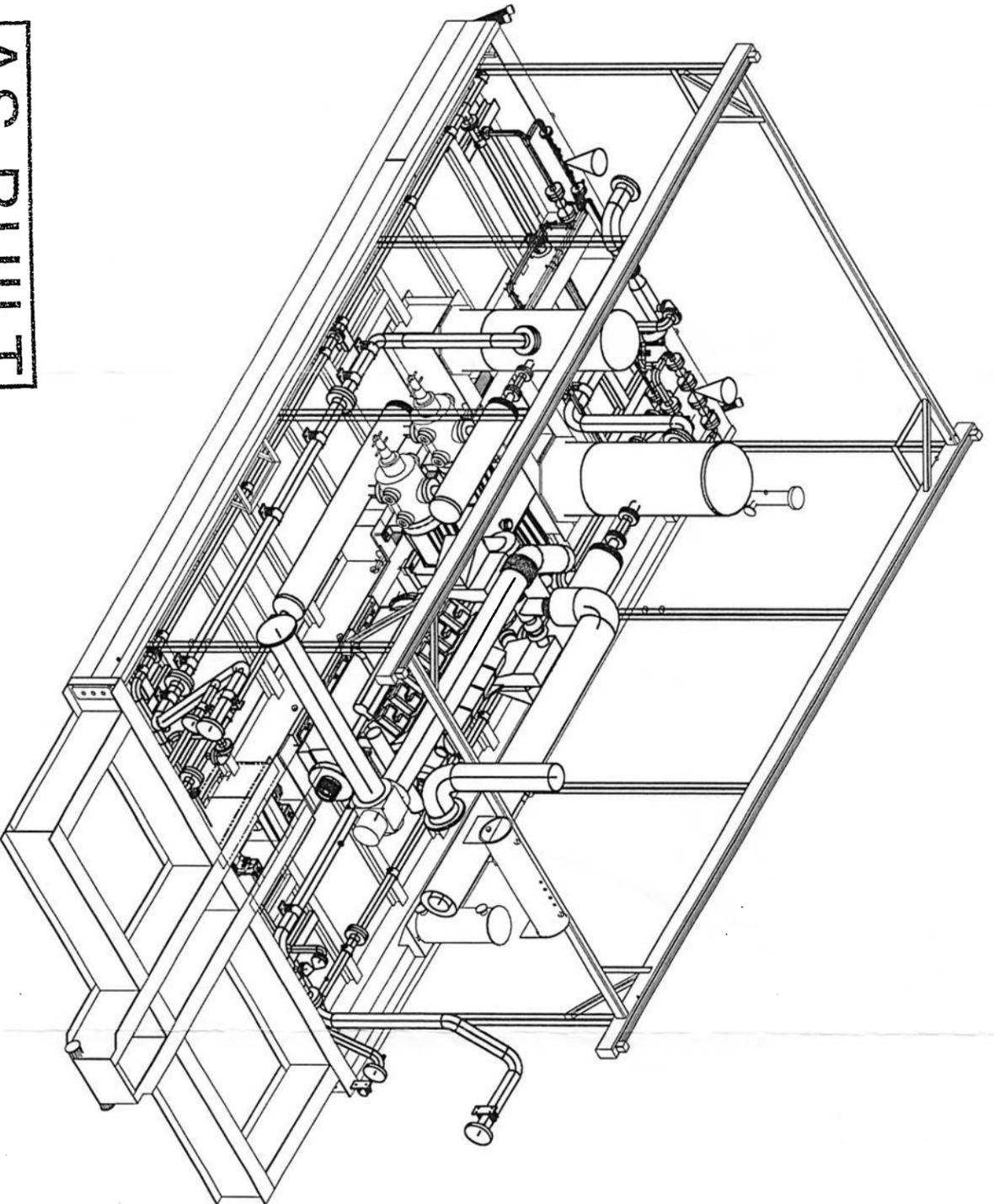
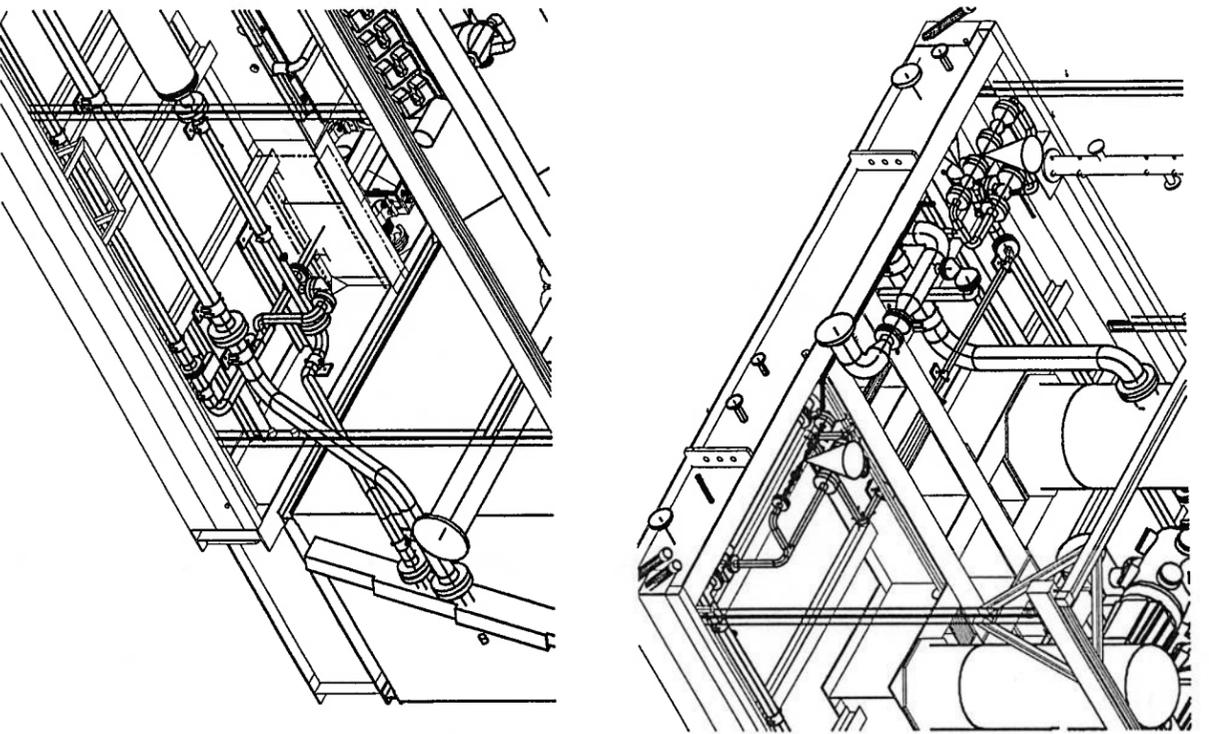
MAJOR EQUIPMENT		REV	DESCRIPTION	DATE	BY	CN
COMPRESSOR	ARIEL JGK-4	4	AS-BUILT	09.10.01	DBT	
CROSSHEAD GUIDE	LONG SINGLE COMPARTMENT	3	ADD INSTRUMENT AIR CONNECTION	08.30.01	DBT	
BORE/MODEL	9.625" 9 5/8"K	2	ADJUSTED DIMENSIONS	07.27.01	CM	
BORE/MODEL	9.625" 9 5/8"K	1	ISSUED FOR CONSTRUCTION	07.25.01	DBT	
BORE/MODEL	9.625" 9 5/8"K	0	ISSUE FOR APPROVAL	07.17.01	JCH	
CYL BORE/MODEL	5.875" 6 1/4"K		PROCESS PAID			
CYL BORE/MODEL	5.875" 6 1/4"K		DESCRIPTION			
COUPLING	THOMAS REYNOLD CMR700-28		REFERENCE DRAWINGS			

CUSTOMER  
**APACHE  
 CANADA**

**Collicutt Hanover**  
 SERVICES LTD.  
 CORPORATE OFFICE  
 7550 EDGAR INDUSTRIAL DRIVE RED DEER, AB CANADA  
 T4P 3K2 PHONE (403) 358-3200 FAX (403) 358-3270

TWO STAGE COMPRESSOR PACKAGE  
 L7042GJGK-4/144EH  
 GENERAL ARRANGEMENT

DRN	J. HOHNSTEIN	07.17.01	DES	C. CLARK	07.17.01
CHK	D. KREUTZ	07.17.01	DES	J. HOHNSTEIN	07.17.01



**AS-BUILT**  
 CC SEP 20 2001

- GENERAL NOTES:**
1. UNLESS OTHERWISE SPECIFIED:
    - a) ALL DIMENSIONS ARE IN mm
    - b) ALL WEIGHTS ARE IN kg
  2. FABRICATE BELT GUARD AS REQUIRED (NOT SHOWN)
  3. PROCESS PIPE SHALL BE IN ACCORDANCE WITH ASME B31.3
  4. UNLESS OTHERWISE SPECIFIED ALL PROCESS PIPING BOLT HOLES TO STRADDLE CENTERLINES
  5. UNLESS OTHERWISE SPECIFIED PIPE SHALL BE IN ACCORDANCE WITH ASTM A-106 GR B.

MAJOR EQUIPMENT		REVISIONS	
COMPRESSOR	ARIEL JGK-4	4	AS-BUILT
CROSSHEAD GUIDE	LONG SINGLE COMPARTMENT	3	ADD INSTRUMENT AIR CONNECTION
1. BOREMODEL	9.625" 9 5/8"K	2	ADJUSTED DIMENSIONS
. BOREMODEL	9.625" 9 5/8"K	1	ISSUED FOR CONSTRUCTION
CYL BOREMODEL	5.875" 6 1/4"K	0	ISSUE FOR APPROVAL
CYL BOREMODEL	5.875" 6 1/4"K		
COUPLING	THOMAS RENNORD CAR700-28		
	DESCRIPTION	DATE	BY
	REFERENCE DRAWINGS		
	DRAWING		
	DESCRIPTION		
	DATE		
	BY		
	GN		
CUSTOMER		LOCATION	
APACHE CANADA			
<b>Collcutt Hanover</b> SERVICES LTD. CORPORATE OFFICE 7550 EDGAR INDUSTRIAL DRIVE RED DEER, AB CANADA T4P 3K2 PHONE (403) 358-3200 FAX (403) 358-3210		07.17.01 J. HOHNSTEIN 07.17.01 D. KREUTZ	
TWO STAGE COMPRESSOR PACKAGE L704GJJK-4/144EH GENERAL ARRANGEMENT		07.17.01 C. CLARK 07.17.01 J. HOHNSTEIN	
FH225 REV 4 2799B01 E			