

MBF-2010
SUCTION SCRUBBER
FG501520
36" OD X 66" S/S
1100 PSIG @ 150F
ASME SECTION VIII, DIV 1
C.A.: 0"
MDMT: -20F

MBL-2010
SUCTION BOTTLE
FG500993-C
18" OD X 84" S/S
1100 PSIG @ 120F
ASME SECTION VIII, DIV 1
C.A.: 0"
MDMT: -20F

MBL-2020
DISCHARGE BOTTLE
FG500994-C
16" OD X 144" S/S
1650 PSIG @ 350F
ASME SECTION VIII, DIV 1
C.A.: 0"
MDMT: -20F

MBF-2030
SUCTION SCRUBBER
FG501526
36" OD X 66" S/S
1440 PSIG @ 150F
ASME SECTION VIII, DIV 1
C.A.: 0"
MDMT: -20F

MBL-2030
SUCTION BOTTLE
FG501529
14" OD X 68" S/S
1440 PSIG @ 150F
ASME SECTION VIII, DIV 1
C.A.: 0"
MDMT: -20F

MBL-2040
DISCHARGE BOTTLE
FG501531
12" OD X 68" S/S
1440 PSIG @ 350F
ASME SECTION VIII, DIV 1
C.A.: 0"
MDMT: -20F

CZZ-2020A
COMPRESSOR CYLINDER-8 3/8K
BORE: 8 3/8"
MAWP: 1895 PSIG

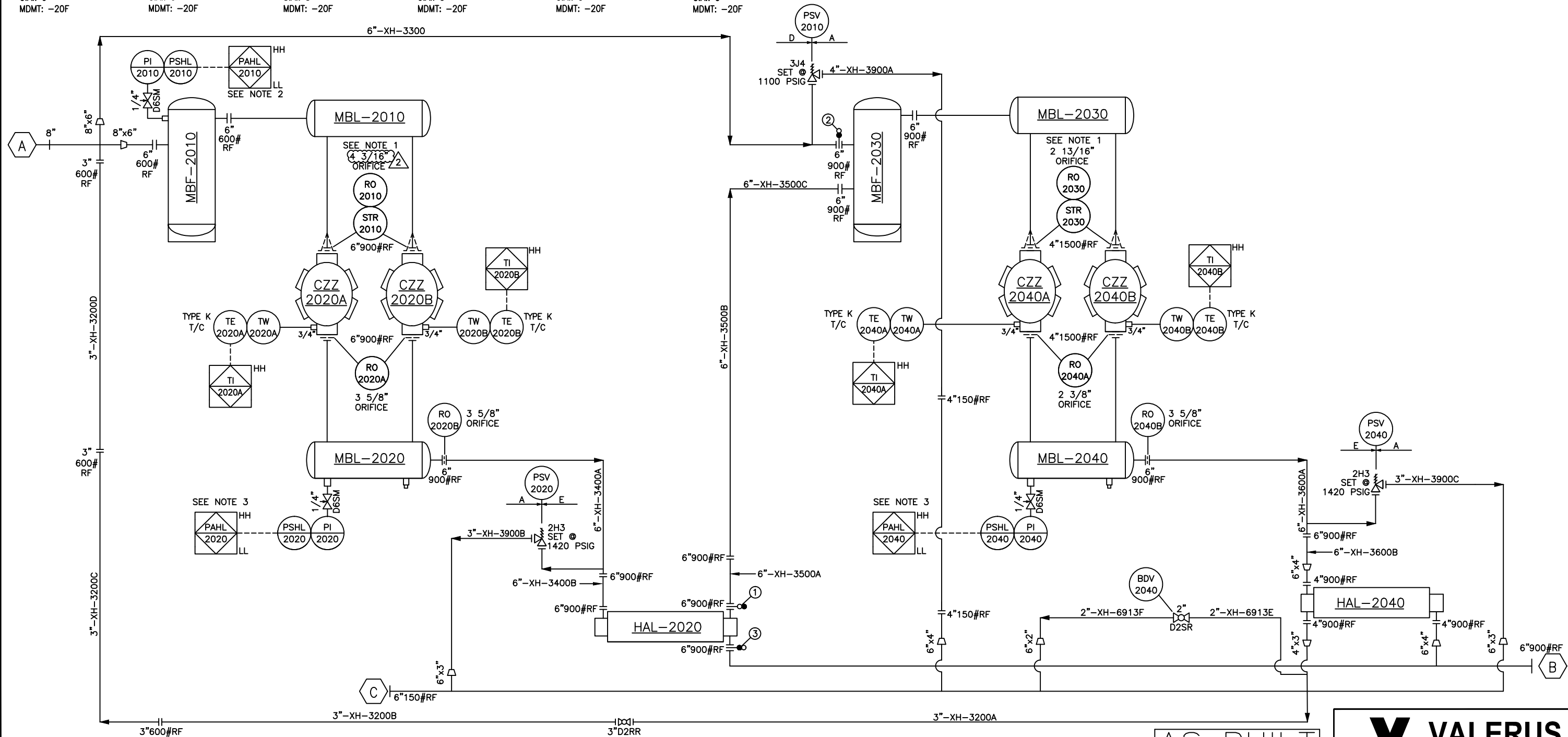
CZZ-2020B
COMPRESSOR CYLINDER-8 3/8K
BORE: 8 3/8"
MAWP: 1895 PSIG

CZZ-2040A
COMPRESSOR CYLINDER-6 1/4K
BORE: 6 1/4"
MAWP: 2050 PSIG

CZZ-2040B
COMPRESSOR CYLINDER-6 1/4K
BORE: 6 1/4"
MAWP: 2050 PSIG

HAL-2020
COOLER SECTION
1440 MAWP @ 350F
IC-1

HAL-2040
COOLER SECTION
1440 MAWP @ 350F
IC-2



③	≡● OPEN	≡● CLOSED
②	≡● OPEN	≡● CLOSED
①	≡● CLOSED	≡● OPEN
SPEC BLIND NO.	SINGLE STAGE	SECOND STAGE
STAGE CONFIGURATION		

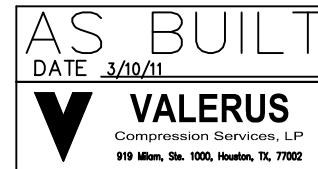
C	1	6"	150#	RF	VENT HEADER
B	1	6"	900#	RF	UNIT DISCHARGE
A	1	8"	600#	RF	UNIT SUCTION
MARK	QUAN.	SIZE	RATING	TYPE	SERVICE

CUSTOMER CONNECTION SCHEDULE

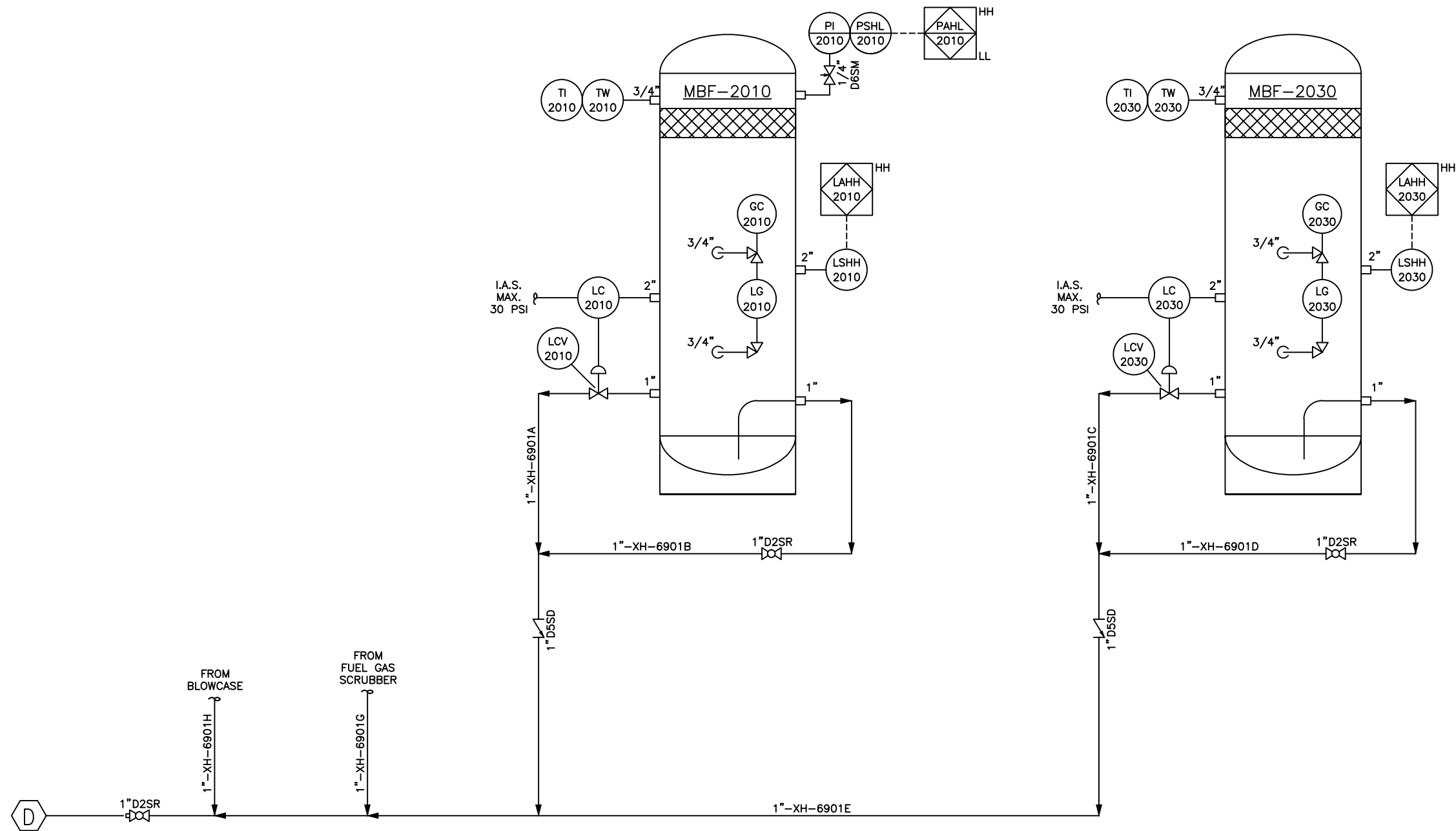
- NOTE:
- SUCTION ORIFICE PLATES SHIP LOOSE.
 - INCLUDED IN SCRUBBER DRESS OUT DRAWINGS.
 - INCLUDED IN LOOSE INSTRUMENTATION DRAWINGS.
 - ALL PSV's TO BE SUPPORTED BY GUSSETS & REPAD

SHIMS	ENGINE	(10) RC4 w/1/2" SPACER	COMPRESSOR	ARIEL JGK-4					
	COMPRESSOR	SOLE PLATES & GROUT	CYLINDERS	(2)8-3/8", (2)6-1/4"					
			ENGINE	WAUKESHA, MODEL 7044GSIE					
BOLTING	ENGINE	(10) BOLT, 3/4"x6"	COUPLING	AMERIDRIVE GCF560-70-28					
	COMPRESSOR	(6) ALL THRD, 1 1/8", 8TPI, B7x24" LG	COOLER	AXH MODEL 156:109563/VAL:34422					
	DIST/PC SUPPORT	(8) BOLT, 1"x5"	PANEL	MURPHY TTD					
SHEAVES	COOLER	SHV, 65V, 37.5" O.D. w/3-7/16 J QD	MUFFLER	MAXIM QAC4-670-14-2, w/1 ELEMENT	2	AS BUILT - NO CHANGES	3/9/11	JT	RV/OM
	ENGINE	SHV, 65V, 8.5" O.D. w/3-1/2 E QD	STAGES	1/2	1	CHANGED BOTTLES, ADDED VENT HEADER & NOTE 4	2/13/11	JT	RV/OM
	IDLER	SHV, 65V, 9.0" O.D. w/2-7/16 E QD			0	ISSUED FOR CONSTRUCTION	12/10/10	CAO	CK
	BELTS	65VX 180"			REV.	DESCRIPTION	DATE	BY	CK
MAJOR COMPONENTS			MAJOR COMPONENTS						

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VALERUS Compression Services, LP 919 Milam, Suite 1000, Houston, Texas 77022			
DATE 12/10/10	DRAWN CAO	CHECKED CK	APPROVED
CLIENT PEMEX			
TITLE PIPING & INSTRUMENTATION DIAGRAM COMPRESSOR PACKAGE			
SCALE: NONE	S.O.#	FG# FG102558-2 R1	
DRAWING NUMBER V53500100-01-02		SHT# 1 OF 7	REV 2



AS BUILT
DATE 3/10/11
VALERUS
Compression Services, LP
919 Milam, Ste. 1000, Houston, TX, 77002

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Compression Services, LP
919 Milam, Suite 1000, Houston, Texas 77022

DATE	DRAWN	CHECKED	APPROVED
12/10/10	CAO	CK	

CLIENT

PEMEX

TITLE SCRUBBER DRAIN LINES & DRESSOUTS
LAND 2 STAGE
OP 6901

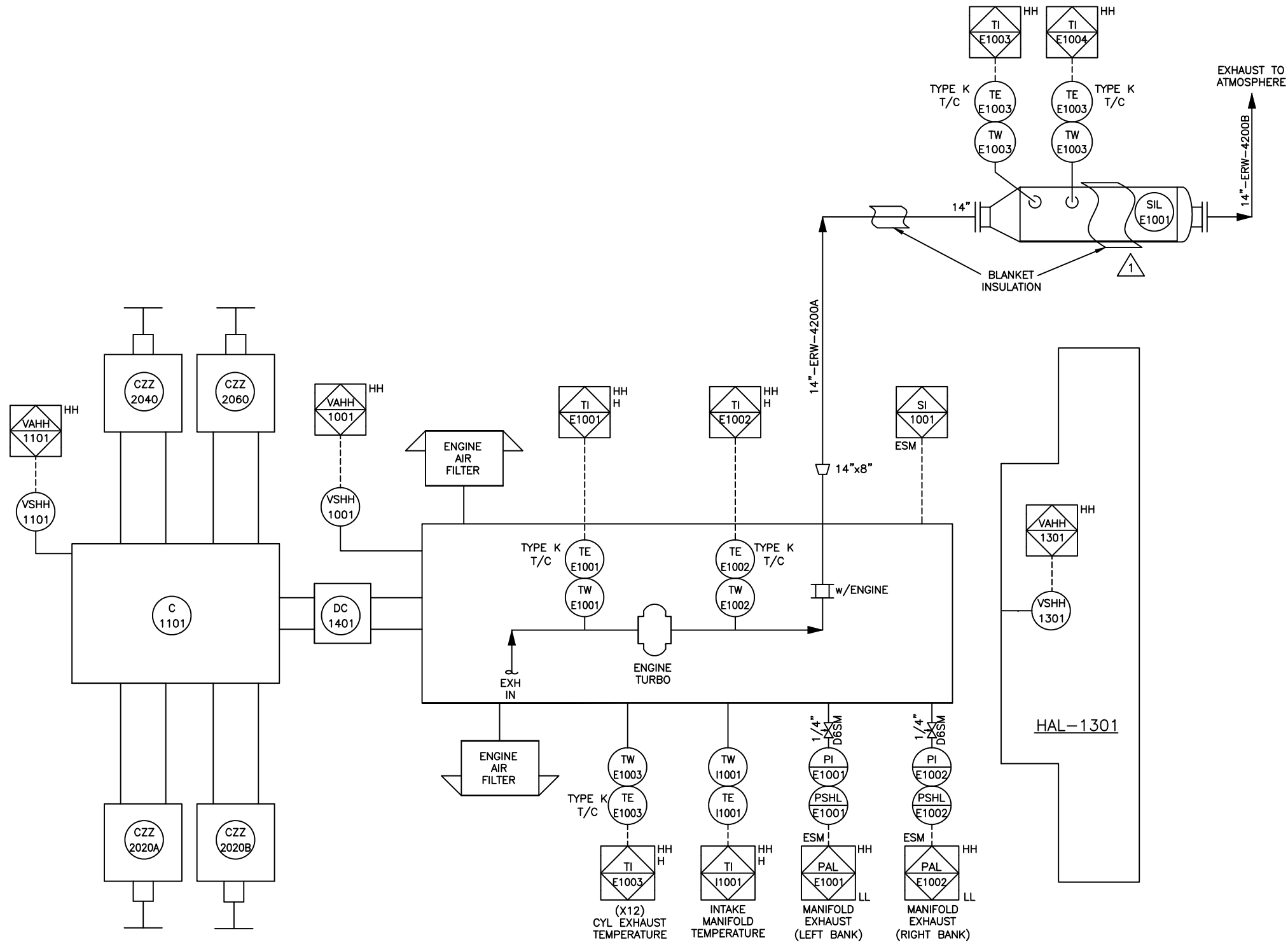
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DRAWING NUMBER	SHEETS	REV
V53500100-02-02	SHT# 2 OF 7	2

REV.	DESCRIPTION	DATE	BY	CK
2	AS BUILT - NO CHANGES	3/9/11	JT	RV/OM
1	NO CHANGES THIS SHEET	2/13/11	JT	RV/OM
0	ISSUED FOR CONSTRUCTION	12/10/10	CAO	CK

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D	1	1"	2000#	FNPT	SCRUBBER DRAINS
MARK	QUAN.	SIZE	RATING	TYPE	SERVICE
CUSTOMER CONNECTION SCHEDULE					



MAJOR EQUIPMENT

AS BUILT

DATE 3/10/11

 VALERUS

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DATE	DRAWN	CHECKED	APPROVED
12/10/10	CAO	CK	
CLIENT			
PEMEX			
TITLE			
PIPING & INSTRUMENTATION DIAGRAM MAJOR EQUIPMENT VHP			
SCALE:		S.O.#	FG#
NONE			MJEQVHP-R0
DRAWING NUMBER		SHEETS	
V53500100-03-02		3 OF 7	
REV.		REV	
		2	

2	AS BUILT - NO CHANGES	3/9/11	JT	RV/OM
1	ADDED BLANKET INSULATION	2/13/11	JT	RV/OM
0	ISSUED FOR CONSTRUCTION	12/10/10	CAO	CK
REV.	DESCRIPTION	DATE	BY	CK
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MBF-F1001
FUEL GAS FILTER
FG211193
6 5/8" OD X 69" S/S
285 PSIG @ 100F
ASME SECTION VIII, DIV 1
C.A.: 0"
MDMT: -20F

TO
ATMOSPHERE

1 1/2" MNPT x 2" FNPT
PSV
F1001
175 PSIG

2"-XH-6908H

2"-XH-6908A

90-150
PSI
PCV
F1001

2" D2SR

1" MNPT x 1" FNPT
75 PSIG
PSV
F1002

2"-XH-6908C

0-60
PSI
PI
F1002

0-30
PSI
PCV
F1003

0-300
PSI
PI
F1001

1/2" D6SM

1/2" D2SR

2"-XH-6908D

GC
F1001

LG
F1001

1/2" D6SM

1/2" D2SR

1/2" TUBING

1/2" D5SD

1/2" XH-6908F

1/4" D6SA

LAHH
F1001

LSHH
F1001

LC
F1001

LCV
F1001

FROM ESM

CARB.

W/ENGINE

3"150#RFx2"NPT

2"x1 1/2"

2"-XH-6908E

SUPPLY GAS
TO PRELUBE
SYSTEM

AIR SUPPLY
FOR SHOP
TEST RUN

VHP
STARTING/PRE-LUBE
CIRCUIT

FROM ESM

STARTER

TO ENGINE
OIL GALLERIES

ENGINE
PRE-LUBE

FROM SUMP

3"-STD-4300A

3"150#
D5RD

3"-STD-4300B

3"x1"

1"x1/2"

1/2" D5SD
SEE NOTE 1

FROM COMPRESSOR
PRELUBE

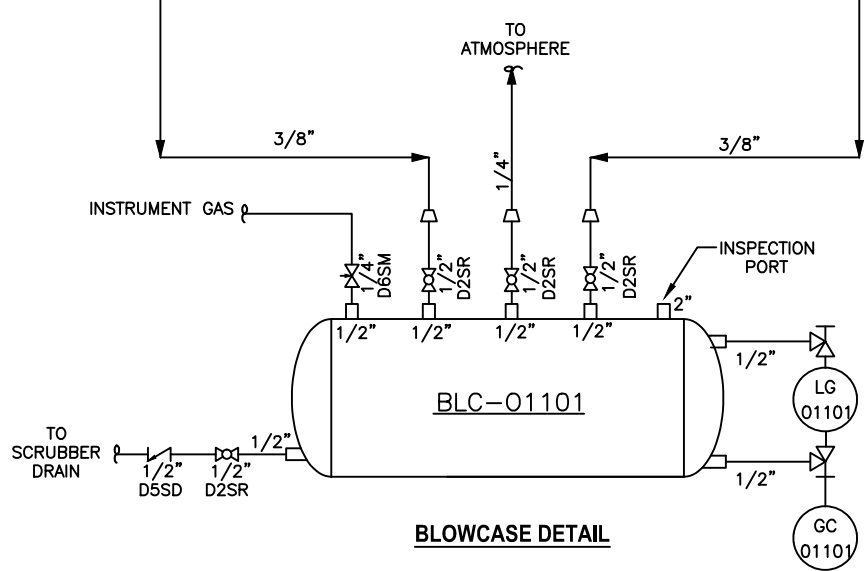
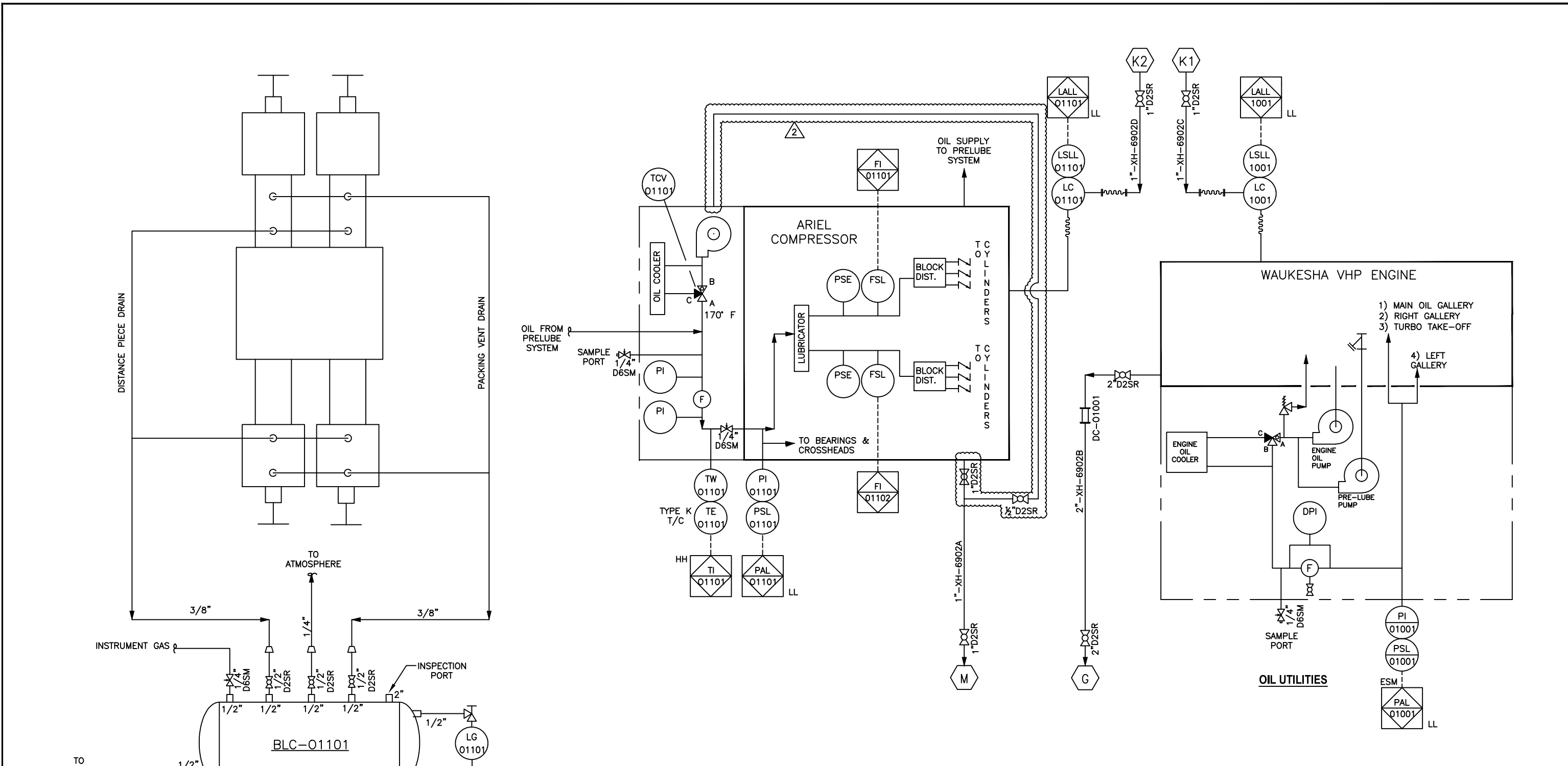
START & FUEL SYSTEM

AS BUILT
DATE 3/10/11
VALERUS
Compression Services, LP
919 Millam, Ste. 1000, Houston, TX, 77002

F	1	2"	2000#	FNPT	FUEL GAS INLET
MARK	QUAN.	SIZE	RATING	TYPE	SERVICE
CUSTOMER CONNECTION SCHEDULE					

2	AS BUILT - REVISED FUEL SCRUBBER	3/9/11	JT	RV/C	
1	ADDED VENT HEADER	2/13/11	JT	RV/C	
0	ISSUED FOR CONSTRUCTION	12/10/10	CAO	CK	
REV.	DESCRIPTION	DATE	BY	CHK	
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 VALERUS Compression Services, LP 919 Milam, Suite 1000, Houston, Texas 77022			
DATE	DRAWN	CHECKED	APPROVED
12/10/10	CK	CAO	CK
CLIENT			
PEMEX			
TITLE			
START AND FUEL LINES VHP OP 6908			
SCALE:	S.O.#	FG#	PH20029-R0
NONE			
DRAWING NUMBER	SHEETS		REV
V53500100-04-02	SHT# 4 OF 7		2



K1	1	1"	2000#	FNPT	ENGINE LUBE OIL MAKE-UP	
	K2	1	1"	2000#	FNPT	COMPRESSOR LUBE OIL MAKE-UP
M	1	1"	2000#	FNPT	COMPRESSOR OIL DRAIN	
G	1	1"	2000#	FNPT	ENGINE OIL DRAIN	
MARK	QUAN.	SIZE	RATING	TYPE	SERVICE	
CUSTOMER CONNECTION SCHEDULE						

AS BUILT

DATE 3/10/11

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DATE	DRAWN	CHECKED	APPROVED
12/10/10	CAO	CK	

CLIENT

PEMEX

TITLE

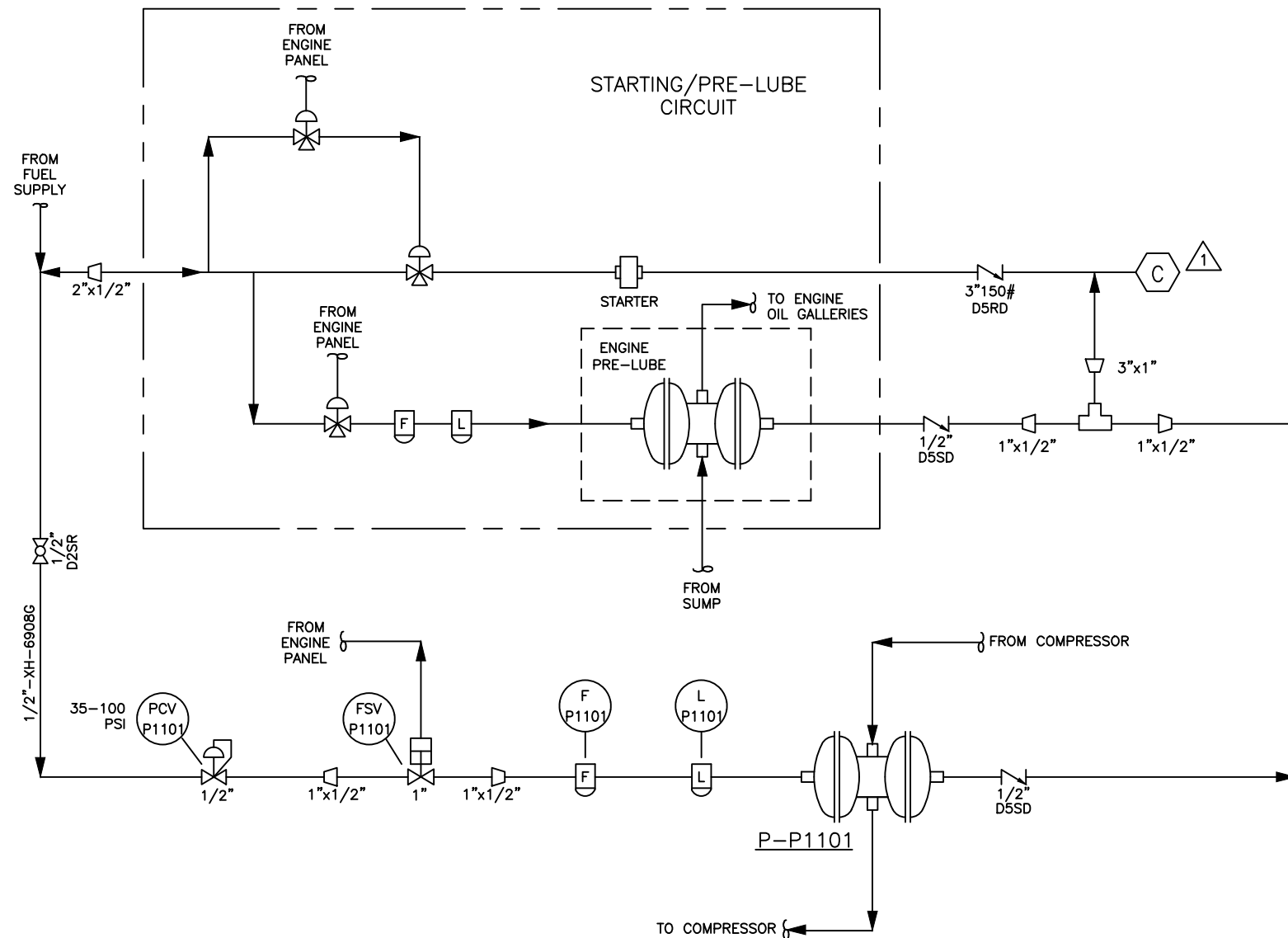
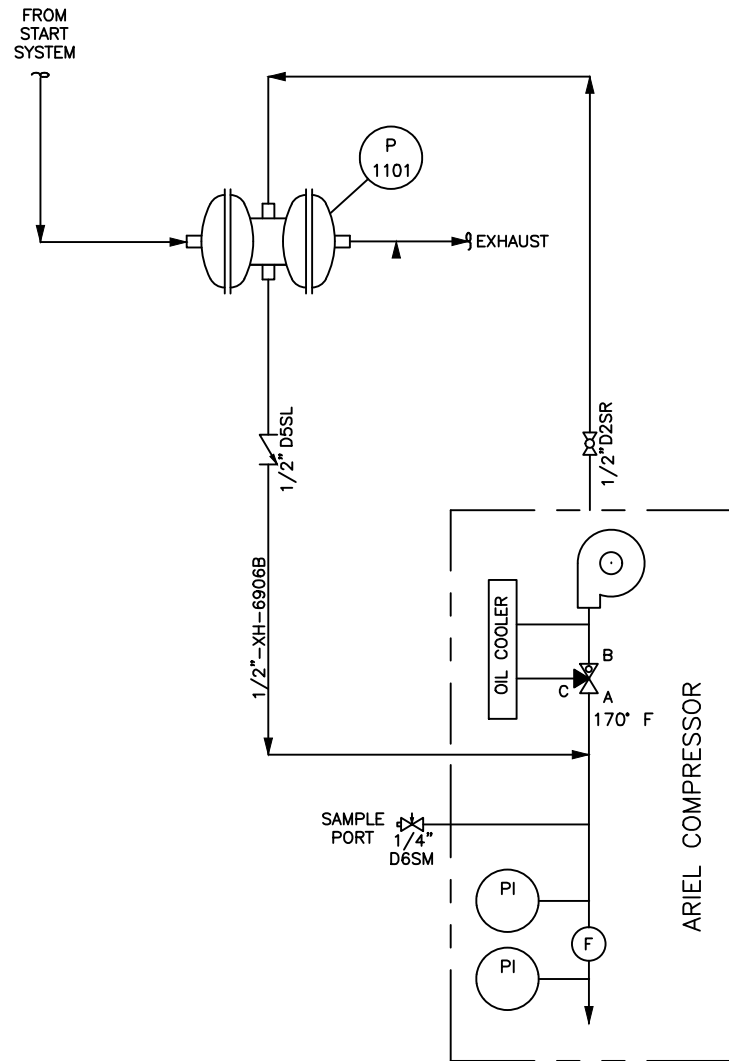
OIL UTILITY LINES
VHP/JGT/JGK
OP 6902

SCALE:	S.O.#	FG#
NONE		PH20037-R0

DRAWING NUMBER	SHEETS	REV
V53500100-05-02	SHT# 5 OF 7	2

REV.	DESCRIPTION	DATE	BY	CHK
2	AS BUILT - OIL UTILITIES	3/9/11	JT	RV/OM
1	REVISED SKID END CONNECTIONS	2/13/11	JT	RV/OM
0	ISSUED FOR CONSTRUCTION	12/10/10	CAO	CK

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PRELUBE SYSTEM

AS BUILT
DATE 3/10/11
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DATE	DRAWN	CHECKED	APPROVED
12/10/10	CAO	CK	

CLIENT

PEMEX

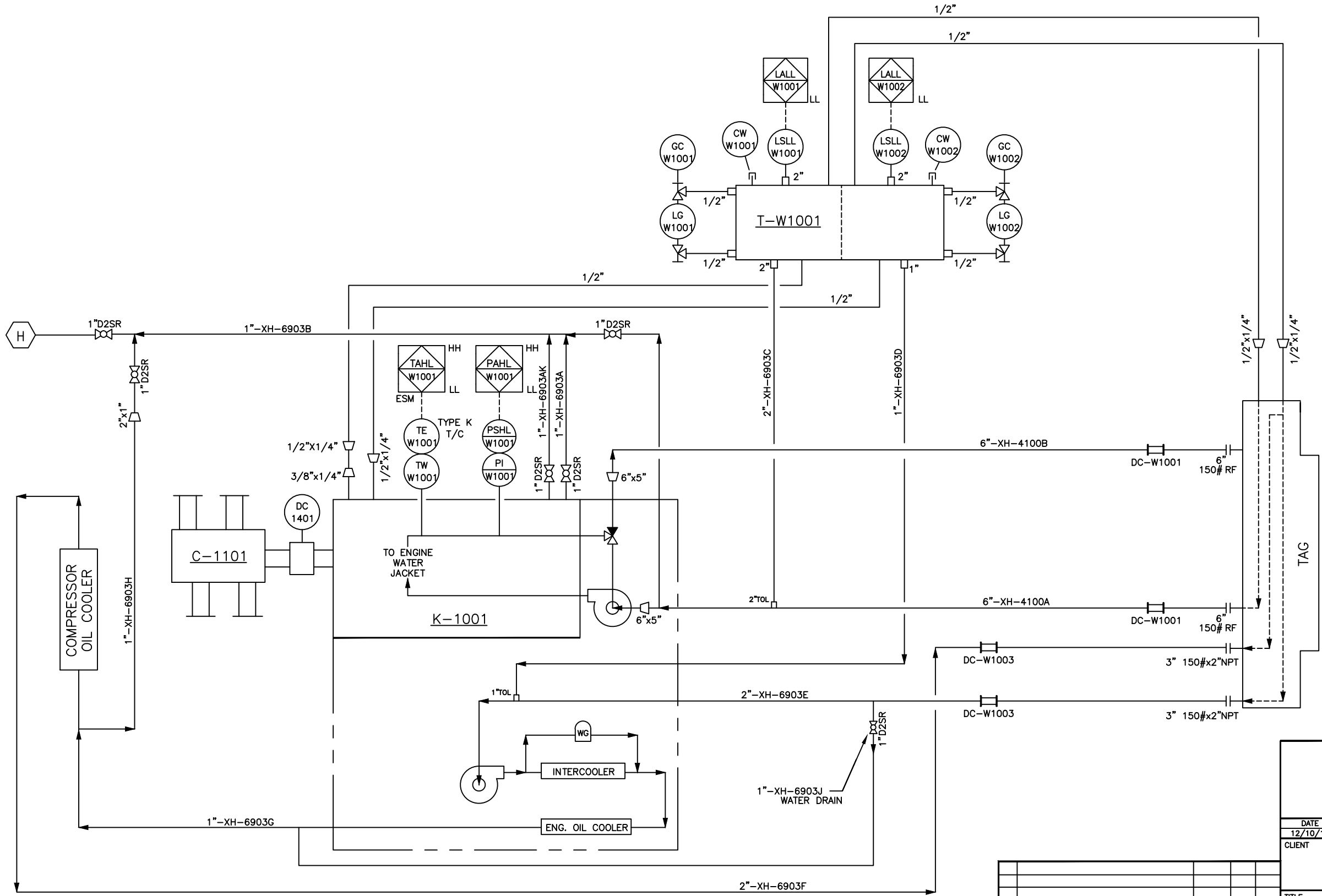
TITLE
PRELUBE SYSTEM
JGK/JGT
OP 6906

SCALE:	S.O.#	FG#
NONE		PH20039-R0

DRAWING NUMBER	SHEETS	REV
V53500100-06-02	6 OF 7	2

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T-W1001
WATER SURGE TANK
OD: 16"
TAW LENGTH: 25 1/8"
EJW LENGTH: 59 7/8"



AS BUILT
DATE 3/10/11
VALERUS
Compression Services, LP
919 Milam, Ste. 1000, Houston, TX, 77002

**VALERUS**
Compression Services, LP
919 Milam, Suite 1000, Houston, Texas 77022

DATE	DRAWN	CHECKED	APPROVED
12/10/10	CAO	CK	

CLIENT: PEMEX

TITLE: WATER UTILITY LINES
VHP/JGT/JGK
OP 6903

SCALE:	S.O.#	FG#
NONE		PH20038-R0

DRAWING NUMBER	SHEETS	REV
V53500100-07-02	SHT# 7 OF 7	2

H	1	1"	2000#	FNPT	EJW DRAIN
MARK	QUAN.	SIZE	RATING	TYPE	SERVICE

CUSTOMER CONNECTION SCHEDULE

2	AS BUILT - NO CHANGES	3/9/11	JT	RV/OM
1	NO CHANGES THIS SHEET	2/13/11	JT	RV/OM
0	ISSUED FOR CONSTRUCTION	12/10/10	CAO	CK
REV.	DESCRIPTION	DATE	BY	CK

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