



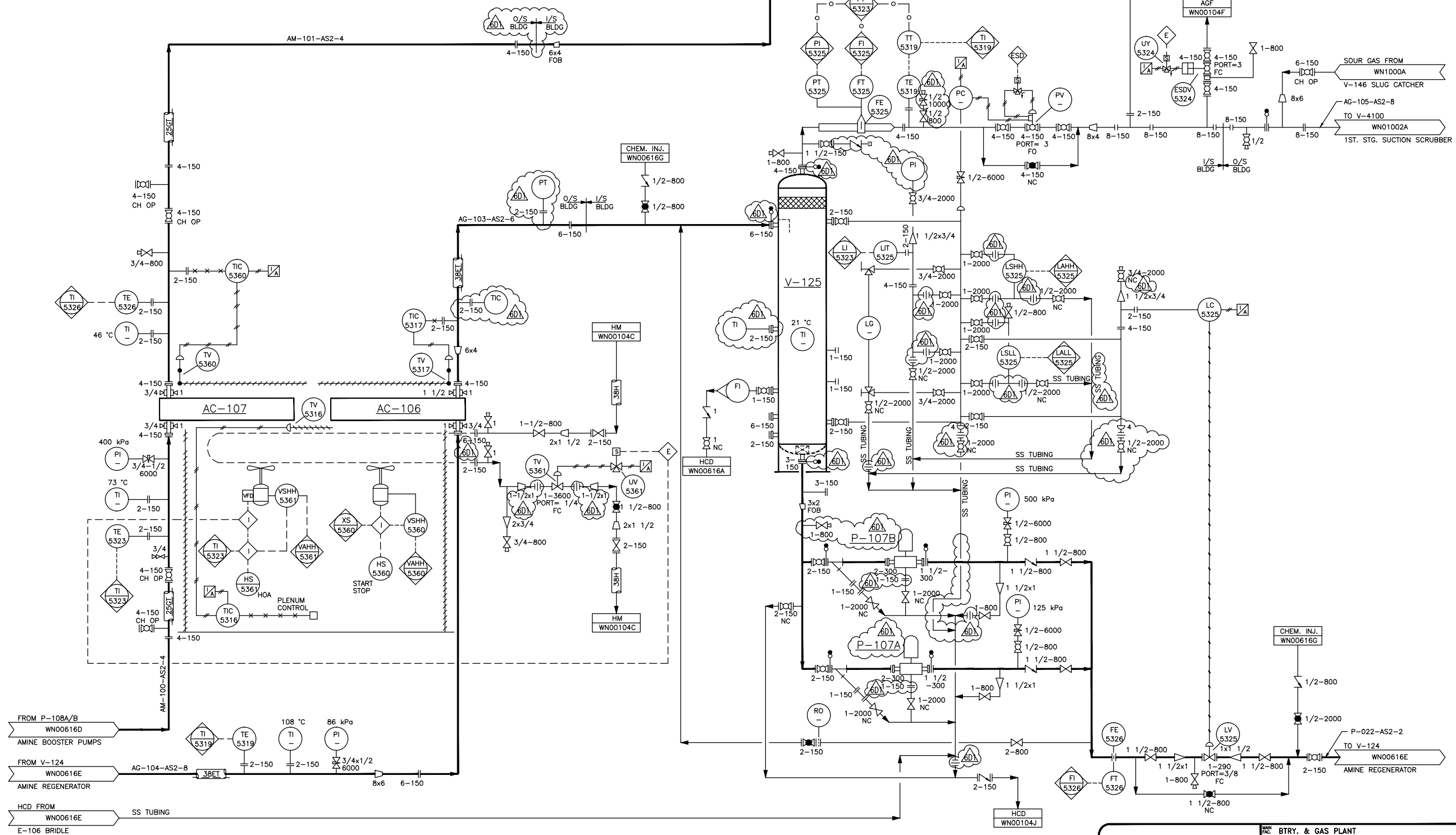
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AC-107
LEAN AMINE COOLER
MAWP: 1034 kPa @ 121 °C
MDMT: -29 °C @ 1034 kPa
DUTY: 924 KW
CA: 3.2 mm
No OF FANS: 1
S/N: 95-5295B
CRN No: M7188.2
A No: 3073476

AC-106
REFLUX CONDENSER
MAWP: 517 kPa @ 132 °C
MDMT: -40 °C @ 517 kPa
DUTY: 1055 KW
CA: 3.2 mm
No OF FANS: 1
S/N: 95-5295-A
CRN No: 7187.2
A No: 3073469

V-125
AMINE REFLUX ACCUMULATOR
MAWP: 345 kPa @ 149 °C
MDMT: -29 °C @ 345 kPa
CA: 6.35 mm
S/N: 94152-AH
CRN No: M6847.2
A No: 3061161

P-107A/B
REFLUX PUMPS
MFG: UNION
DRIVER: 5 HP @ 3500 RPM
DELTA PRESSURE: 4823 kPa
CAPACITY: 1.51 m3/HR
MODEL: CA2999A101
MAX PRESSURE: 4826 kPa



REFERENCE DRAWINGS	DWG. NO.
AMINE GAS SWEETENING	WN00616A
ACID GAS COMPRESSION	WN01002A
AMINE REGENERATION	WN00616E
AMINE CIRCULATION	WN00616D

CAUTION : READ BEFORE EXCAVATION
ALL EXCAVATIONS MUST BE CARRIED OUT AS PER "ENCANA'S GROUND DISTURBANCE PRACTICE"

NO.	DATE	PROJECT DESCRIPTION	PROJ.	AFE	EPCM Co.	EPCM No.	APPD.
1	-	OIL & GAS DEVELOPMENT (AS-BUILT)	94-WAY-02	050F278/9	COLT	94-C-654	GD
2	98.09.16	"AS IS" (CS108201/DLP)	-	X020097	CRIMTECH	2108201	-
3	02.04.15	DRAWING UPGRADE (PETERSON DRAFTING SERVICES)	-	-	PDS	0021	AS
4	2010-08-06	SOLUTION GAS DISPOSAL BYPASS - PRELIMINARY	-	-	CABER ENG	CE10EC049	MM
5	2011-12-08	AS-BUILT	-	-	CABER ENG	CE11EC075	SH
6	2013-10-31	AS-BUILT AS PER FIELD VERIFIED MARK-UPS	-	13175071	BRT	BRT-13-480	-

ISSUE STAGE	DATE	BY	CHKD.	APPD.
Prelim. (A)	-	-	-	-
Bld (B)	-	-	-	-
Constr. (C)	-	-	-	-
As-built (D)	2013-12-12	CLK	RH	-

PERMIT STAMP AND PROFESSIONAL STAMP
AFFIXED ABOVE SHALL APPLY ONLY TO REV(S)

encana

BRT CONSULTING LTD.

PIPING AND INSTRUMENTATION DIAGRAM
AMINE REFLUX V-125

WAYNE

WN00103E

ENCANA

BTRY. & GAS PLANT

01-20-028-21 W4M

BATTERY

01-20-028-21 W4M

NTS (A1 Size)

BRT-13-480

FILE NO.

WN00103E

PLOTTED: 2015-05-26 7:21:50 AM, BY: GUYAL, ED.
LAST SAVED: 2015-05-06 11:16:40 AM, BY: EDVJDA

T:\MODELS\ENCANA\A1 Size\Title\Bridle.dwg

FILE: E:\PRINTS ONLY\2015-05-06_JASONAL\PDS\WN00103E.DWG


Drawings Must Comply with Encana Drafting Standards (ECA-DDM-S-01)





NO.	DATE (YYMMDD-00)	PROJECT DESCRIPTION	PROJ.	AFE	EPCM Co.	EPCM No.	APPD.
1	95.01	ISSUED FOR CONSTRUCTION	-	-	-	-	-
2	98.09.24	"AS-IS" (CS108201/TWP)	X020097	CRIMTECH	2108201	-	-
3	00-10-18	UPDATED AS PER FIELD MARK UP	-	-	CRIMTECH	2273500	-
4	02.04.15	DRAWING UPGRADE (PETERSON DRAFTING SERVICES)	-	-	PDS	0021	AS
5	2011-12-08	AS-BUILT	-	-	CABER ENG	CE11EC0075	SH
6	2013-10-31	AS-BUILT AS PER FIELD VERIFIED MARK-UPS	-	13175071	BRT	BRT-13-480	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

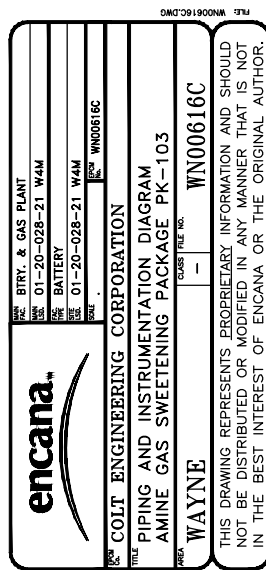
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PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)	

		MAIN PAGE	BTRY. & GAS PLANT	
		MAIN LIST	01-20-028-21 W4M	
		PAGE	BATTERY	
		SHEET	01-20-028-21 W4M	
		SCALE	NTS (A1 Size)	EPDM No.
BRT CONSULTING LTD.				
TITLE PIPING AND INSTRUMENTATION DIAGRAM SWEET GAS SCRUBBER & AMINE FLASHDRUM				
AREA	WAYNE		CLASS A	FILE NO. WN00616B

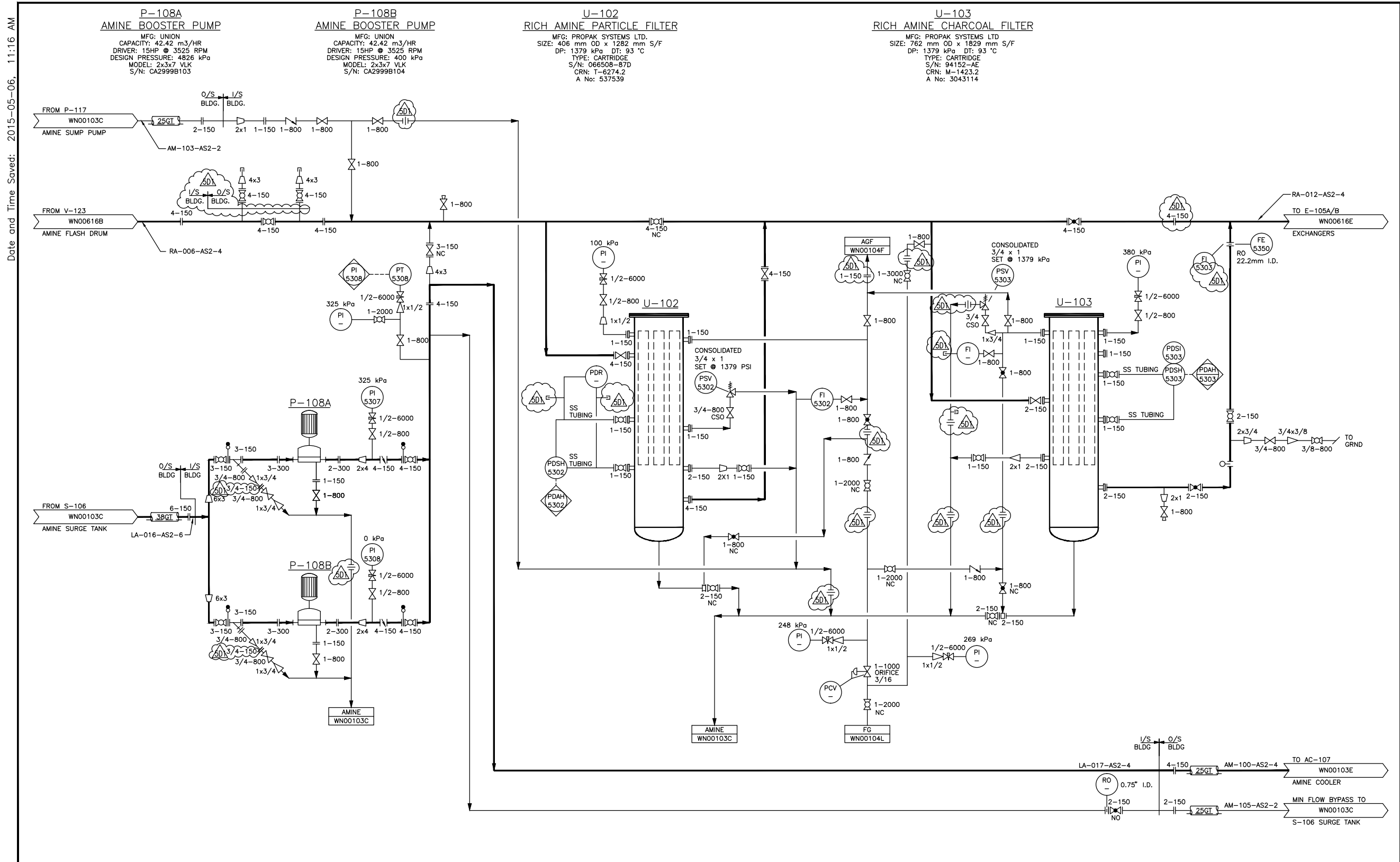
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PK-103

DWG. No.:	D - MFS-94152-100	SHT. 5 OF 10	REV 1
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Date and Time Saved: 2015-05-06, 11:16 AM



REFERENCE DRAWINGS	DWG. NO.
AERIAL COOLERS & REFLUX	WN00103E
AMINE STORAGE TANKS	WN00103C
SWEET GAS SCRUBBER	WN00616B

CAUTION : READ BEFORE EXCAVATION
ALL EXCAVATIONS MUST BE CARRIED OUT AS PER "ENCANA'S GROUND DISTURBANCE PRACTICE"

NO.	DATE	PROJECT DESCRIPTION	PROJ.	AFE	EPCM Co.	EPCM No.	APPD.
1	JAN.95	ISSUED FOR CONSTRUCTION	-	-	PROPAC	-	-
2	98.09.24	"AS-IS" (CS108201/TWP)	-	X020097	CRIMTECH	2108201	-
3	02.04.15	DRAWING UPGRADE (PETERSON DRAFTING SERVICES)	-	-	PDS	0021	AS
4	2011-12-08	AS-BUILT	-	-	CABER ENG	CE11ECA075	SH
5	2013-10-31	AS-BUILT AS PER FIELD VERIFIED MARK-UPS	-	13175071	BRT	BRT-13-480	-

ISSUE STAGE	DATE	BY	CHKD.	APPD.
Prelim. (A)	-	-	-	-
Bld (B)	-	-	-	-
Constr. (C)	-	-	-	-
As-built (D)	2013-12-12	CLK	RH	-

PERMIT STAMP AND PROFESSIONAL STAMP
AFFIXED ABOVE SHALL APPLY ONLY TO REV(S)

BTRY. & GAS PLANT	
01-20-028-21 W4M	
BATTERY	
01-20-028-21 W4M	
SCALE	NTS (At Size)
EPC No.	BRT-13-480

BRT CONSULTING LTD.

PIPING AND INSTRUMENTATION DIAGRAM
AMINE CIRCULATION P-108A/B

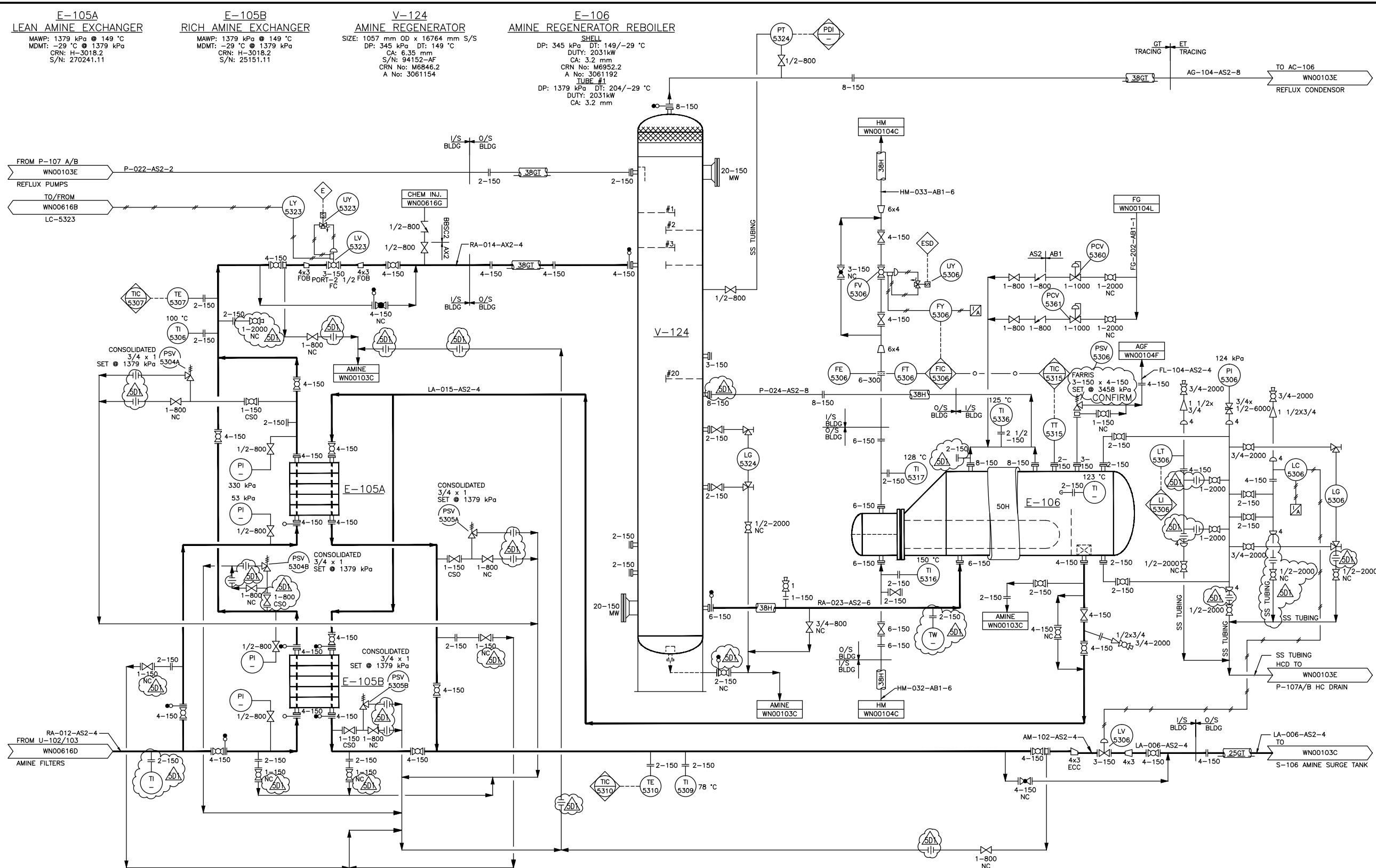
AREA	WAYNE	CLASS	FILE NO.
		A	WN00616D

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LAST SAVED: 2015-05-06 11:16:40 AM, BY: GUYLAJ ED.

FILE: E:_PRINTS ONLY\2015-05-06_JASONAL PDS\WN00616D.DWG

Drawings Must Comply with Encana Drafting Standards (ECA-DDM-S-01)

Date and Time Saved: 2015-05-06, 11:16 AM



REFERENCE DRAWINGS
AERIAL COOLERS & REFLUX WN00103E
AMINE CIRCULATION WN00616D

DWG. NO.
WN00103E
WN00616D

NO. DATE
1 JUN/95
2 98.09.16
3 02.04.15
4 2011-12-08
5 2013-10-31

PROJECT DESCRIPTION
ISSUED FOR CONSTRUCTION
"AS-IS" (CS108201/TWP)
DRAWING UPGRADE (PETERSON DRAFTING SERVICES)
AS-BUILT
AS-BUILT AS PER FIELD VERIFIED MARK-UPS

PROJ. AFE EPCM Co. EPCM No. APPD.
- - PROPAC - -
- - X020097 CRIMTECH 2108201 - -
- - PDS 0021 AS - -
- - CABER ENG CE11ECA075 SH - -
- - 13175071 BRT BRT-1-480 - -

ISSUE STAGE DATE BY CHKD. APPD.
Prelim. (A) - - - -
Bid (B) - - - -
Constr. (C) - - - -
As-built (D) 2013-12-12 CLK RH - -

PERMIT STAMP ENGINEER'S STAMP

PERMIT STAMP AND PROFESSIONAL STAMP
AFFIXED ABOVE SHALL APPLY ONLY TO REV(S)

REFERENCE DRAWINGS	DWG. NO.	NO.	DATE	PROJECT DESCRIPTION	PROJ.	AFE	EPCM Co.	EPCM No.	APPD.	ISSUE STAGE	DATE	BY	CHKD.	APPD.	PERMIT STAMP	ENGINEER'S STAMP
AERIAL COOLERS & REFLUX	WN00103E	1	JUN/95	ISSUED FOR CONSTRUCTION	-	-	PROPAC	-	-	Prelim. (A)	-	-	-	-	-	-
AMINE CIRCULATION	WN00616D	2	98.09.16	"AS-IS" (CS108201/TWP)	-	X020097	CRIMTECH	2108201	-	Bid (B)	-	-	-	-	-	-
		3	02.04.15	DRAWING UPGRADE (PETERSON DRAFTING SERVICES)	-	-	PDS	0021	AS	Constr. (C)	-	-	-	-	-	-
		4	2011-12-08	AS-BUILT	-	-	CABER ENG	CE11ECA075	SH	As-built (D)	2013-12-12	CLK	RH	-	-	-
		5	2013-10-31	AS-BUILT AS PER FIELD VERIFIED MARK-UPS	-	13175071	BRT	BRT-1-480	-	-	-	-	-	-	-	-

encana

BRT CONSULTING LTD.

PIPING AND INSTRUMENTATION DIAGRAM
AMINE REGENERATION E-106/V-124

WAYNE

CLASS A

FILE NO. WN00616E

MAIN FAC.	BTRY. & GAS PLANT
MAIN LID.	01-20-028-21 W4M
FAC. TYPE	BATTERY
FILE LID.	01-20-028-21 W4M
SCALE	NTS (A1 Size)
EPC No.	BRT-13-480

PLOTTED: 2015-05-28 7:22:33 AM, BY: GYUJAL ED.
LAST SAVED: 2015-05-06 11:16:40 AM, BY: GYUJAL ED.

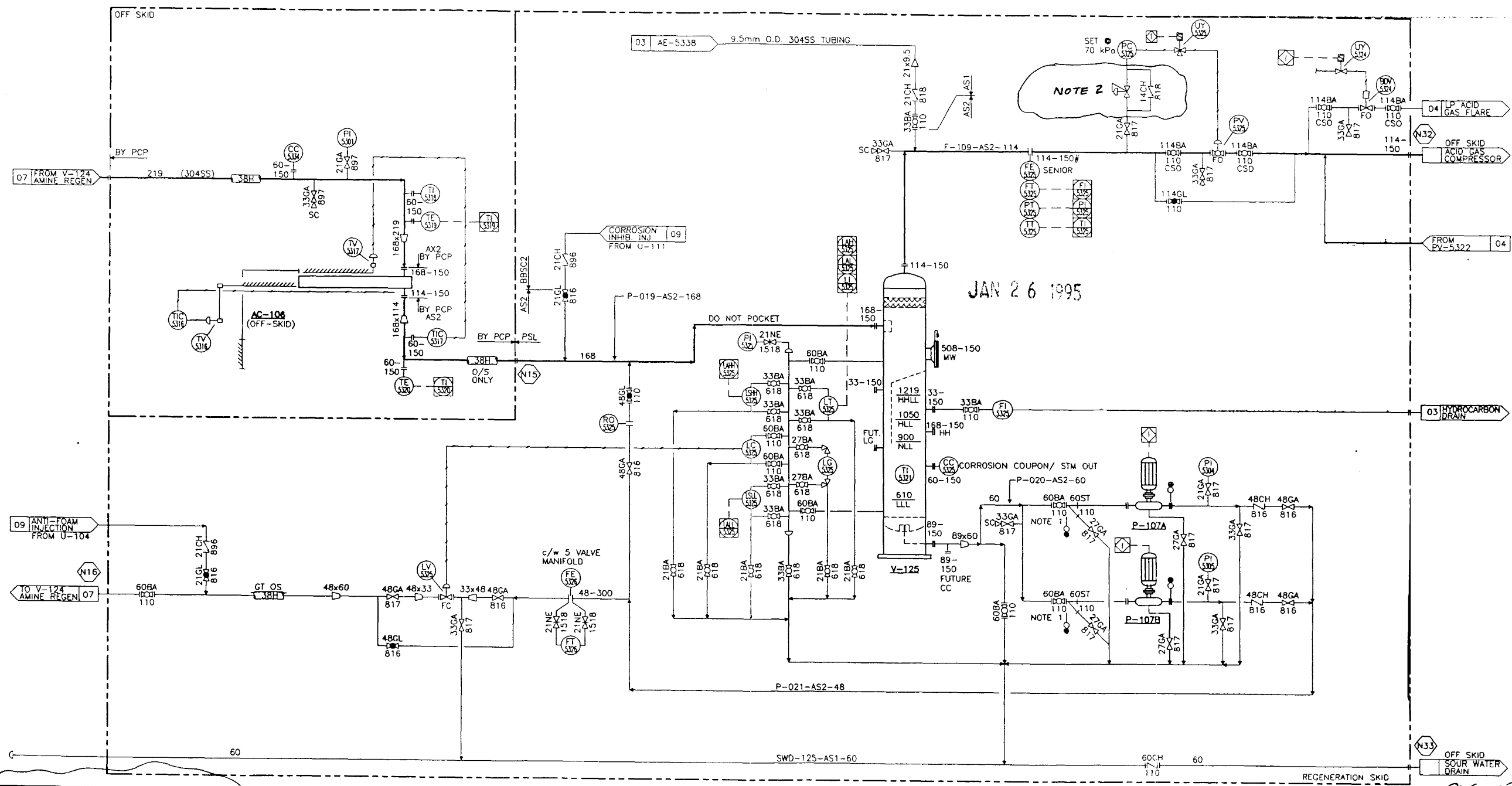
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AC-106
AMINE REGENERATOR REFLUX CONDENSER
D.P.: 517 kPa
D.T.: 132°C
DRIVER (QTY.) 2 • 25 HP, 460/3/60 XP (HIGH EFFICIENCY)
100% X-RAY
DUTY: 1055 kW
(COMMON FRAME WITH AC-107)
FULL VACUUM DESIGN
TUBES: SA213 TP304L SS SMLS
HEADER BOX: SA240 TP304L SS

V-125
AMINE REFLUX ACCUMULATOR
SIZE: 762mm O.D. x 2438mm S/S
D.P.: 345 kPa
D.T.: 149°C
INSUL.: NIL
PIPING TRIM SPEC: SOUR 150#
C.A.: 6.3mm
100% X-RAY, S.R.
FULL VACUUM DESIGN

P-107A/B
AMINE REFLUX PUMPS
UNION MODEL 1 1/2 x 2 x 7 VLK
CAP.: 92 L/MIN
DRIVER: 5 HP, 460/3/60 XP (HIGH EFFICIENCY)
HEAD: 369 kPa



1. CAMERON TRUNION MOUNTED BALL VALVES.
2. SET TO LIMIT PRESSURE ON
PC-5325 TO 140 ?? KPA G.

GENERAL NOTES		GENERAL NOTES	
No.	REVISION	No.	REVISION
1	ISSUED FOR CONSTRUCTION	1	ISSUED FOR CONSTRUCTION
2	REVISED PER QUOTE REVISION	2	REVISED PER QUOTE REVISION
3	REV. PER CLIENT MARK-UP	3	REV. PER CLIENT MARK-UP
4	ISSUED FOR APPROVAL	4	ISSUED FOR APPROVAL
5	ISSUED WITH BID	5	ISSUED WITH BID

PREPARED BY:
PROPAC SYSTEMS LTD.
ENGINEERING DESIGN FABRICATION CONSTRUCTION
AIRBORNE ALBERTA CANADA
DRAWN: RICHARD C. CHECKED: DATE: JULY 13/94 SCALE:

PANCANADIAN PETROLEUM LTD.
PK-103 AMINE GAS SWEETENING UNIT
REFLUX CONDENSER, ACCUMULATOR & PUMP
MECHANICAL FLOWSHEET
DWG. No.: D-MFS-94152-100 SHT. 8 OF 10 REV 1


FILE NO. 01-20-028-21 WAM
BATTERY
FILE NO. 01-20-028-21 WAM
FILE NO. 01-20-028-21 WAM

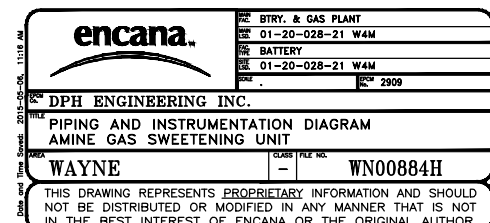
COLT ENGINEERING CORPORATION
PIPING AND INSTRUMENTATION DIAGRAM
AMINE GAS SWEETENING PACKAGE PK-103
WAYNE
WN00616F

THIS DRAWING REPRESENTS PROPRIETARY INFORMATION AND SHOULD NOT BE DISTRIBUTED OR MODIFIED IN ANY MANNER THAT IS NOT IN THE BEST INTEREST OF ENCANOA OR THE ORIGINAL AUTHOR.



REFERENCE DRAWINGS		DWG. NO.	NO.	DATE (YYYY-MM-DD)	PROJECT DESCRIPTION	PROJ.	A/E	EPMC Co.	EPMC No.	APPD.	ISSUE STAGE REVENUE 5D1	DATE (YYYY-MM-DD)	BY	CHKD.	APPD.	PERMIT STAMP	ENGINEER'S STAMP
AERIAL COOLERS & AMINE REF.	WN00103CE	5	2013-10-31	AS-BUILT AS PER FIELD VERIFIED MARK-UPS	-	13175071	BRT	BRT-13-480	-	Prefin. (A)		-	-	-	-	<div>PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s)</div>	—
AMINE SWEETENING PACKAGE	WN00616A	8	SEP/94	ISSUED FOR APPROVAL	-	-	-	-	-	Bid (B)		-	-	-	-		
PIG RECEIVERS AND INLET EXCH.	WN00102K	C	NOV/94	REV. PER CLIENT MARK-UP	-	-	-	-	-	Const. (C)		-	-	-	-		
-	-	D	DEC/94	REVISED PER QUOTE REVISION	-	-	-	-	-	As-built (D)		2014-02-11	CLK	RH	-		
		1	JAN/95	ISSUED FOR CONSTRUCTION	-	-	-	-	-	-		-	-	-	-		
		2	98 09 22	"AS-IS" (CS108201/TWP)	-	X020097	CRMTECH	2108201	-	-		-	-	-	-		
		3	02.04.15	DRAWING UPGRADE (PETERSON DRAFTING SERVICES)	-	-	POD	0021	AS	-		-	-	-	-		
		4	2011-12-08	AS-BUILT	-	-	CABER ENG	CE11ECA075	-	-		-	-	-	-		
CAUTION : READ BEFORE EXCAVATION ALL EXCAVATIONS MUST BE CARRIED OUT AS PER "ENCANA'S GROUND DISTURBANCE PRACTICE"																	

		MAIN FAC. BTRY. & GAS PLANT	
		CASH LBL. 01-20-028-21 W4M	
		FAC. TYPE BATTERY	
		SITE LBL. 01-20-028-21 W4M	
		SCALE NTS (A1 Size)	EPW No. BRT-13-480
BRT CONSULTING LTD.			
TITLE PIPING AND INSTRUMENTATION DIAGRAM CHEMICAL INJECTION PUMPS			
AREA	CLASS A	FILE NO. WN00616G	



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THIS DRAWING AND

1. PIPING AND VALVES FROM LV-5323 TO V-124 TO BE 304SS.
2. CAMERON TRUNION MOUNTED BALL VALVE.

AS-BUILT

GENERAL NOTES

GENERAL NOTES

No.	REVISION
3	REVISED PCP VALVES TAG
2	AS BUILT
1	ISSUED FOR CONSTRUCTION
D	REV. PER CLIENT MARK-UP
C	REV. PER CLIENT MARK-UP
B	ISSUED FOR APPROVAL
4	MODIFICATIONS FOR DPH JOB #2982

TS	DATE	CD	ENG
WC	MAR/95	RT	RT
RC	JAN/95	RT	RT
WC	DEC/94	RT	RT
RC	NOV/94	RT	RT
MLM	SEP/94	RT	RT
ML	98.02.09		

PREPARED BY:
RICHARD C.

PROPAC SYSTEMS LTD.
ENGINEERING DESIGN FABRICATION CONSTRUCTION

ALBIRRE	ALBERTA	CANADA
DRAWN	CHECKED	APPROVED
DATE	DATE	SCALE
JULY 13/94		



PANCANADIAN PETROLEUM
PK-103 AMINE GAS SWEETENING UNIT
BOOSTER & LEAN/RICH EXCHANGER
MECHANICAL FLOWSHEET

OWG. No.: D- MFS-94152-200 SHT. 6 OF 10 REV 4

P-108A/B
AMINE BOOSTER PUMPS
UNION MODEL 2x37 VIK
DESIGN CAP: 707 L/MIN
DRIVER: 15 HP 460/3/60 XP (HIGH EFFICIENCY)
DESIGN HEAD: 400 kPa

E-105A
LEAN/RICH AMINE EXCHANGER
NIXON VICARB V45-SST-LP-100-CH
DESIGN PRESS: COLD SIDE: 1379 kPa
DESIGN PRESS: HOT SIDE: 1379 kPa
DESIGN TEMP: COLD SIDE: 149°C
DESIGN TEMP: HOT SIDE: 149°C
INSUL THK: -P/P SHIELD BY VENDOR
PIPING TRIM SPEC: SOUR 150#
DUTY: 1138 KW
C/W ONE (1) SPARE PLATE PACK WITH GASKET SET
ONE (1) SPARE GASKET SET

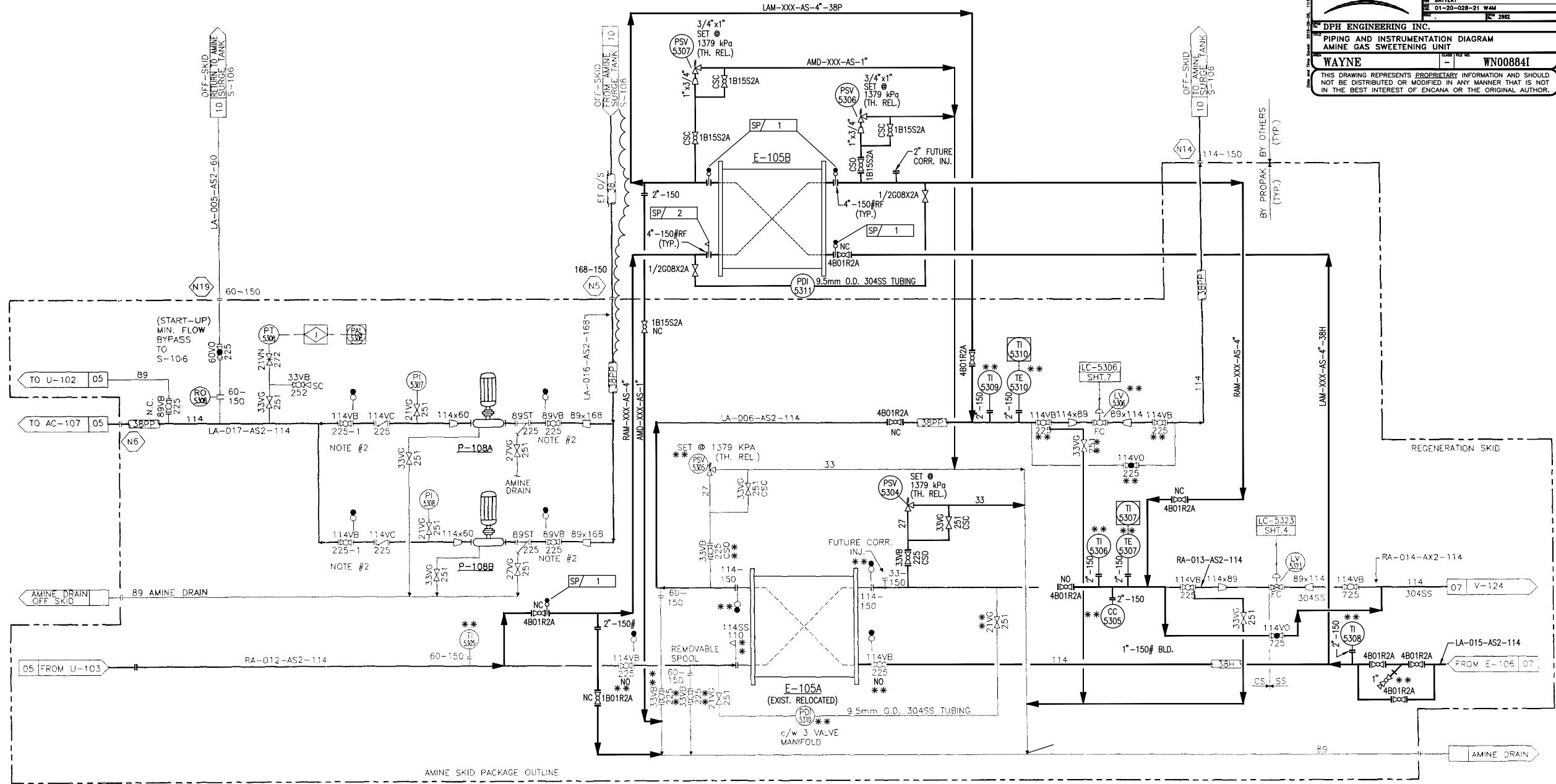
E-105B
LEAN/RICH AMINE EXCHANGER
NIXON VICARB V45-SST-LP-100-CH
DESIGN PRESS: COLD SIDE: 1379 kPa
DESIGN PRESS: HOT SIDE: 1379 kPa
DESIGN TEMP: COLD SIDE: 149°C
DESIGN TEMP: HOT SIDE: 149°C
INSUL THK: P/P
PIPING TRIM SPEC: SOUR 150#
DUTY: 1138 KW
C/W ONE (1) SPARE GASKET SET

encana.

DPH ENGINEERING INC.
WAYNE
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REV	DATE	BY	DESCRIPTION
01	20-028-21	W4M	BATTERY
01	20-028-21	W4M	REV 2982

WN008841



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V-124
AMINE REGENERATOR
SIZE: 1067mm O.D. x 16764mm S/S
C.P.: 345 kPa
D.T.: 149°C
INSUL: 50#
PIPING TRIM SPEC: SOUR 150
100% X-RAY, S.R.
c/w 2-180' PLATFORMS AND CAGED LADDER
C.A. 6.3mm
FULL VACUUM DESIGN

E-106
AMINE REBOILER
SIZE: 762mm O.D. x 1067mm I.D. x 5332mm S/F
TYPE: TEMA C BKU, DUTY: 2031 kW
c/w 272-19mm O.D. 14 BWG, 304L SS TUBES
PIPING TRIM SPEC: SOUR 150#
100% X-RAY, S.R.
TUBES: 1379 kPa @ 205°C MAWP
SHELL: 345 kPa @ 149°C MAWP
FULL VACUUM DESIGN
100% X-RAY, S.R.
C.A. 3.2mm

H-102A/B/C/D
UNIT HEATERS (GLYCOL)
STARZICK ROUGHNECK
DRIVER: 110/1/EO XP
DUTY: 15 kW EACH

RE: STY. & GAS PLANT
NO. 01-20-028-21 WAM
IS: BATTERY
NO. 01-20-028-21 WAM
REV. 2002

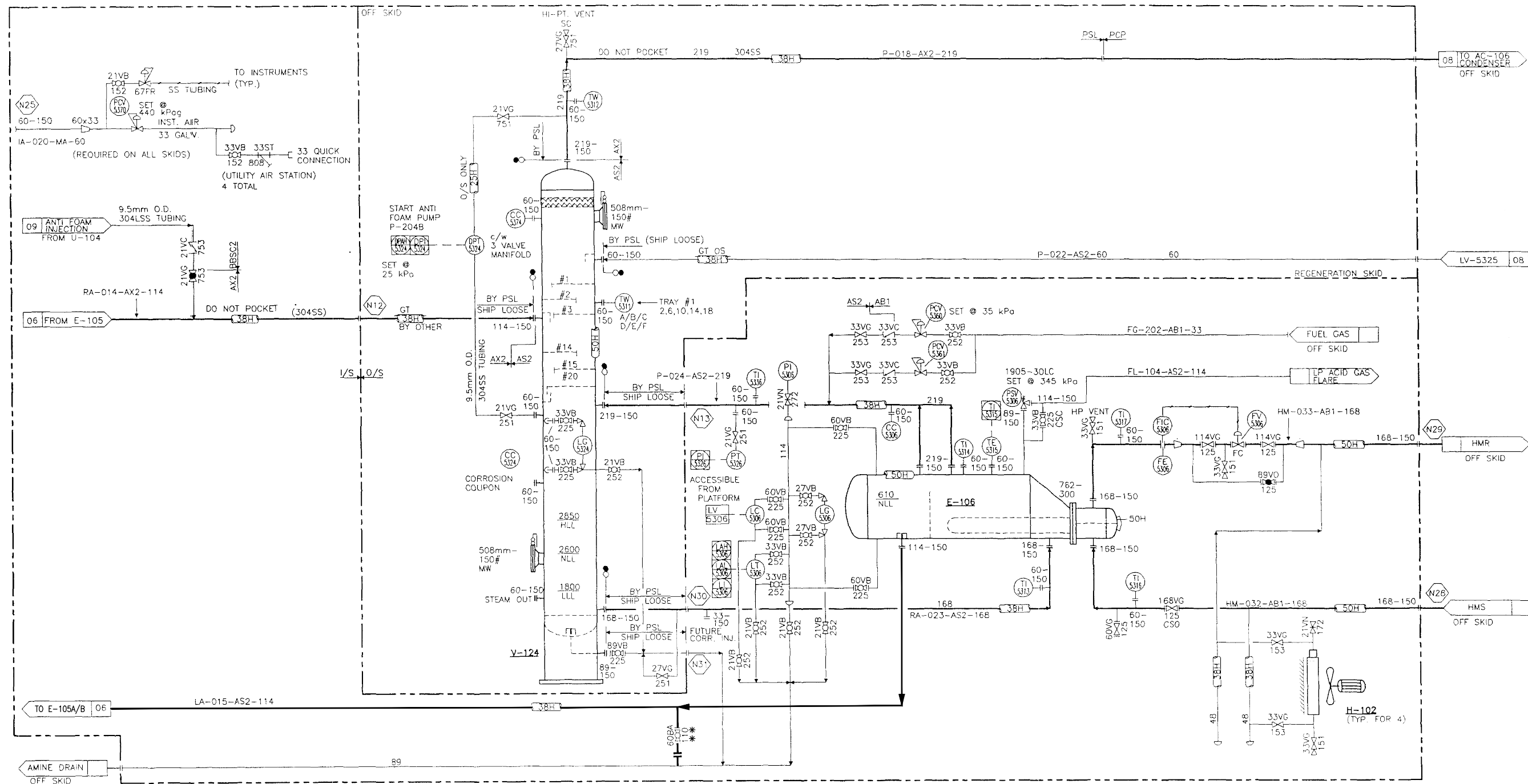
DPH ENGINEERING INC.


PIPING AND INSTRUMENTATION DIAGRAM
AMINE GAS SWEETENING UNIT

WAYNE

WN00884J

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THIS DRAWING AND ALL ATTACHED SHEETS ARE TO BE TRACED & INSULATED IN FIELD BY PCP.	V-124 "SHIP LOOSE" PIPING & INSTRUMENTATION TO BE TRACED & INSULATED IN FIELD BY PCP.		3 REVISED PCP VALVES TAG				TS	MAR/95	RT	RT	PREPARED BY: PROPAC SYSTEMS LTD. ENGINEERING DESIGN FABRICATION CONSTRUCTION	PANCANADIAN PETROLEUM LTD.				
	AS-BUILT		2 AS-BUILT				WC	MAR/95	RT	RT		AIRDRG:  PK-103 AMINE GAS SWEETENING UNIT REGENERATOR AND REBOILER MECHANICAL FLOWSHEET	DWG. No.: D - MFS-94152-200			
			1 ISSUED FOR CONSTRUCTION				BY	JAN/95	RT	RT			SHT 7 OF 10			
			D REV. PER CLIENT MARK-UP				WC	DEC/94	RT	RT			REV 4			
			C REV. PER CLIENT MARK-UP				WC	NOV/94	RT	RT						
			B ISSUED FOR APPROVAL				MLM	SEP/94	RT	RT						
			4 MODIFICATIONS FOR DPH JOB #2982				MA	26.02.09								
			REVISION				BY	DATE	CKD	ENG						
GENERAL NOTES		GENERAL NOTES														

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V-124
AMINE REGENERATOR
SIZE: 1067mm O.D. x 16764mm S/S
C.P.: 345 kPa
D.T.: 149°C
INSUL: 50#
PIPING TRIM SPEC: SOUR 150
100% X-RAY, S.R.
c/w 2-180' PLATFORMS AND CAGED LADDER
C.A. 6.3mm
FULL VACUUM DESIGN

E-106
AMINE REBOILER
SIZE: 762mm O.D. x 1067mm I.D. x 5332mm S/F
TYPE: TEMA C BKU, DUTY: 2031 kW
c/w 272-19mm O.D. 14 BWG, 304L SS TUBES
PIPING TRIM SPEC: SOUR 150#
100% X-RAY, S.R.
TUBES: 1379 kPa @ 205°C MAWP
SHELL: 345 kPa @ 149°C MAWP
FULL VACUUM DESIGN
100% X-RAY, S.R.
C.A. 3.2mm

H-102A/B/C/D
UNIT HEATERS (GLYCOL)
STARZICK ROUGHNECK
DRIVER: 110/1/EO XP
DUTY: 15 kW EACH

RE: BTRY. & GAS PLANT
NO. 01-20-028-21 WAM
IS: BATTERY
NO. 01-20-028-21 WAM
REV. 2002

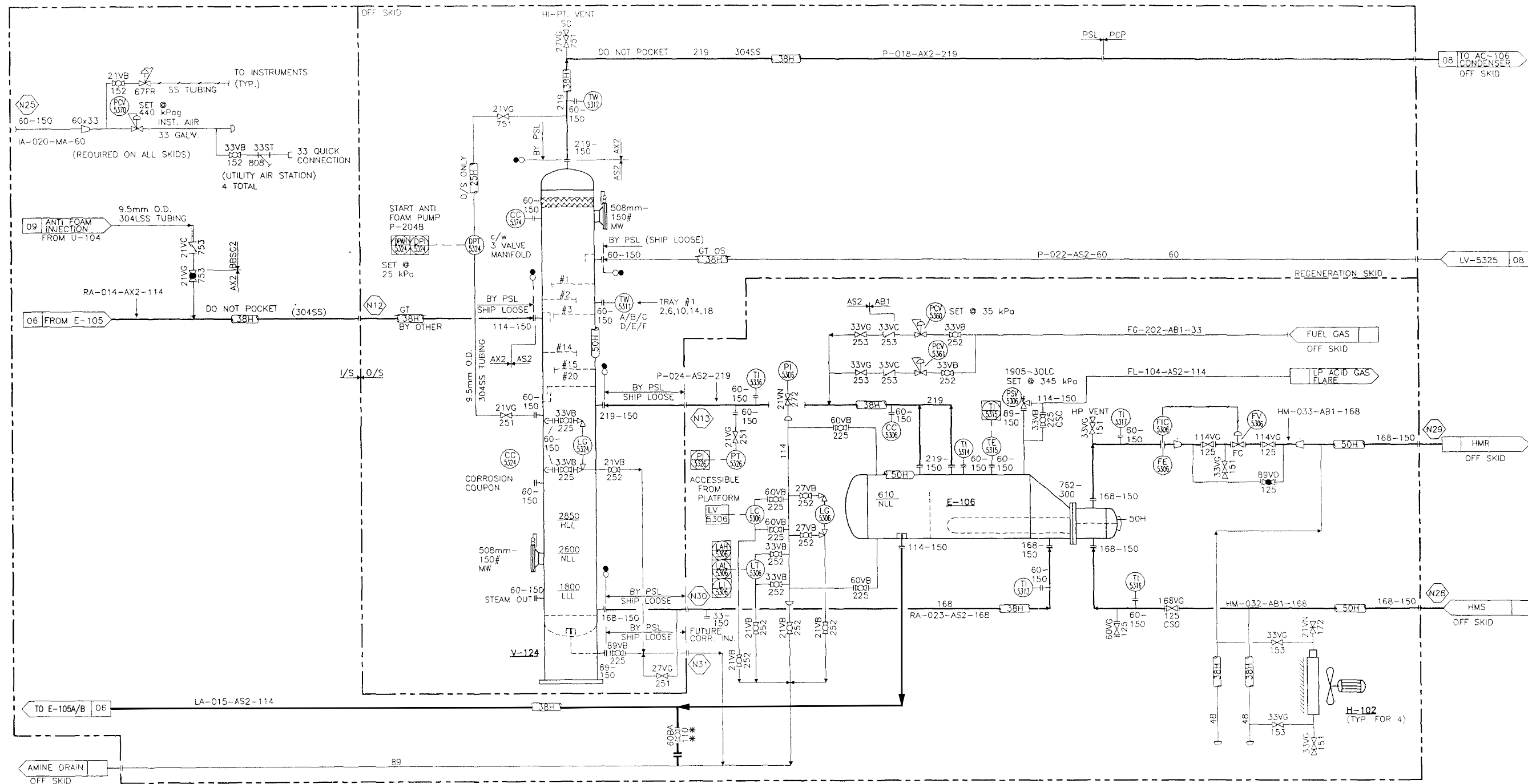
DPH ENGINEERING INC.

PIPING AND INSTRUMENTATION DIAGRAM
AMINE GAS SWEETENING UNIT

WAYNE

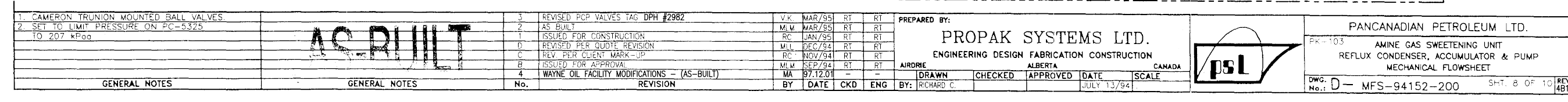
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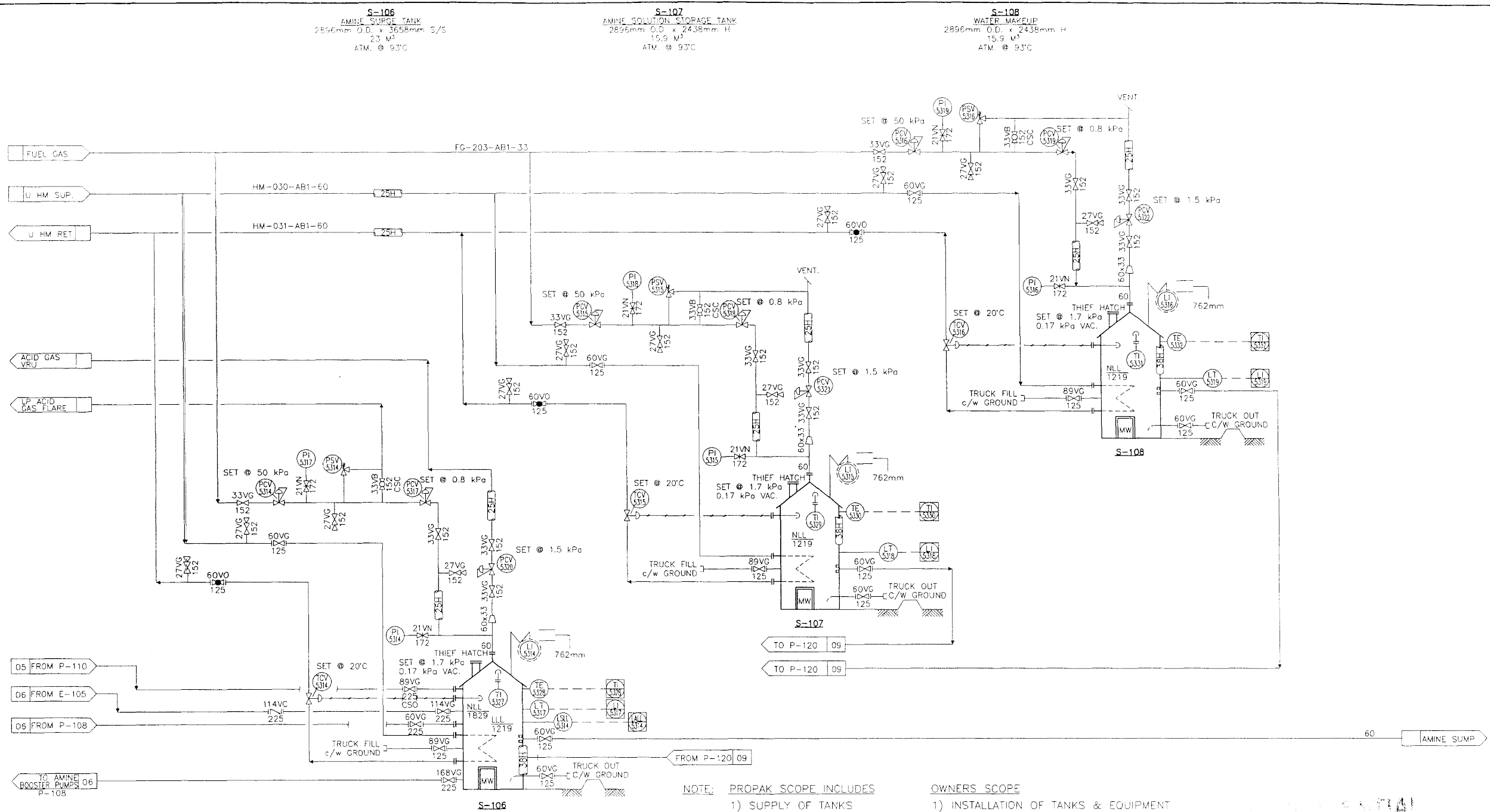
V-124 "SHIP LOOSE" PIPING & INSTRUMENTATION TO BE TRACED & INSULATED IN FIELD BY PCP.		3 REVISED PCP VALVES TAG		TS	MAR/95	RT	RT	PREPARED BY:		PANCANADIAN PETROLEUM LTD.	
		2 AS-BUILT		WC	MAR/95	RT	RT	PROPAC SYSTEMS LTD.		PK-103 AMINE GAS SWEETENING UNIT	
		1 ISSUED FOR CONSTRUCTION		BY	JAN/95	RT	RT	ENGINEERING DESIGN FABRICATION CONSTRUCTION		REGENERATOR AND REBOILER	
		D REV. PER CLIENT MARK-UP		WC	DEC/94	RT	RT	ALBERTA CANADA		MECHANICAL FLOWSHEET	
		C REV. PER CLIENT MARK-UP		WC	NOV/94	RT	RT	AIRDRIE		DWG. D - MFS-94152-200	
		B ISSUED FOR APPROVAL		MLM	SEP/94	RT	RT	DRAWN		SHT 7 OF 10	
		4 MODIFICATIONS FOR DPH JOB #2982		MA	26.02.09			CHECKED		REV 4	
				BY	DATE	CKD	ENG	APPROVED			
								DATE			
								SCALE			
								JULY 13/94			

DESIGN IT COVERS ARE CONFIDENTIAL AND THE PROPERTY OF PROPAK SYSTEMS LTD. AND SHALL NOT BE DISCLOSED



	NO. 01-20-028-21	WAM
	NO. 01-20-028-21	WAM
	NO. 01-20-028-21	WAM
	NO. 01-20-028-21	WAM
DPH ENGINEERING INC.		2962
PIPING AND INSTRUMENTATION DIAGRAM		
AMINE GAS SWEETENING UNIT		
WAYNE	WNO0884K	
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- NOTE: PROPAK SCOPE INCLUDES
- 1) SUPPLY OF TANKS
 - 2) SUPPLY OF INSTRUMENTS
- OWNERS SCOPE
- 1) INSTALLATION OF TANKS & EQUIPMENT
 - 2) SUPPLY OF PIPING TO AMINE BUILDING
 - 3) SUPPLY OF INSULATION & HEAT TRACING
 - 4) SUPPLY OF MANUAL VALVES
 - 5) SUPPLY OF AMINE SUMP/BLOWCASE

-PCP TO TRACE FUEL GAS INSTRUMENTS FOR SURGE TANK S-106.		3	REVISED PCP VALVES TAG DPH# 2982	V.K.	MAR/95	RT	RT	PREPARED BY:		PANCANADIAN PETROLEUM LTD.	
		2	AS BUILT	W.C.	MAR/95	RT	RT	ENGINEERING DESIGN FABRICATION CONSTRUCTION		PH-103 AMINE GAS SWEETENING UNIT	
		1	ISSUED FOR CONSTRUCTION	RC	JAN/95	RT	RT			AMINE DRAIN & STORAGE	
		D	REVISED PER QUOTE REVISION	MIL	DEC-94	RT	RT			MECHANICAL FLOWSHEET	
		B	REV PER CLIENT MARK-UP	W.C.	NOV/94	RT	RT				
		C	ISSUED FOR APPROVAL	W.C.	SEP/94	RT	RT				
		A	ISSUED WITH BID	RC	JUL/94	DB					
GENERAL NOTES		GENERAL NOTES		BY	DATE	CKD	ENG	BY: RICHARD C.		DWG. No.: D-- MFS-94152-200	
								AIRDRE ALBERTA CANADA		SHT. 10 OF 10	
								DRAWN CHECKED APPROVED DATE SCALE		REV 3	

ENC. BTRY. & GAS PLANT
ENC. 01-20-028-21 W4M
ENC. BATTERY
ENC. 01-20-028-21 W4M
ENC. 2982

DPH ENGINEERING INC.

PIPING AND INSTRUMENTATION DIAGRAM
AMINE DRAIN & STORAGE

WAYNE	WN00884M
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