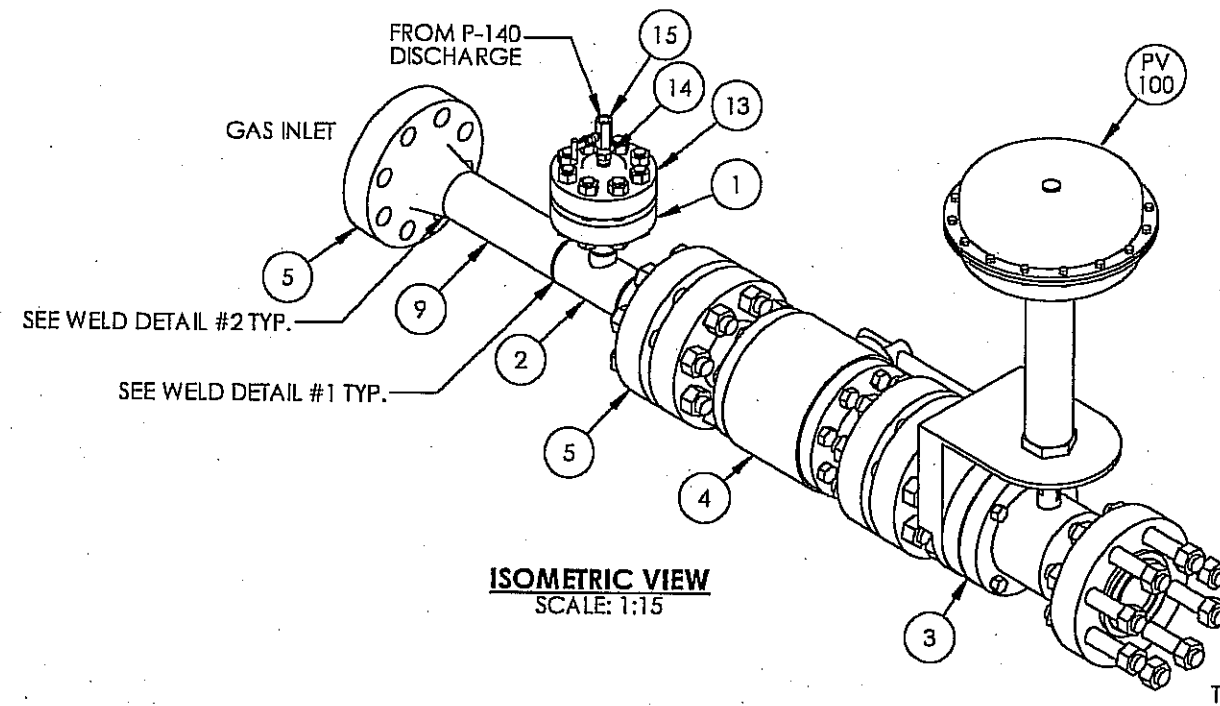
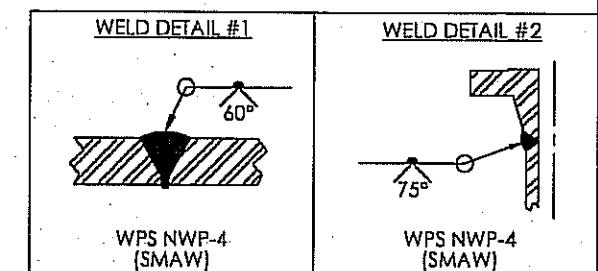
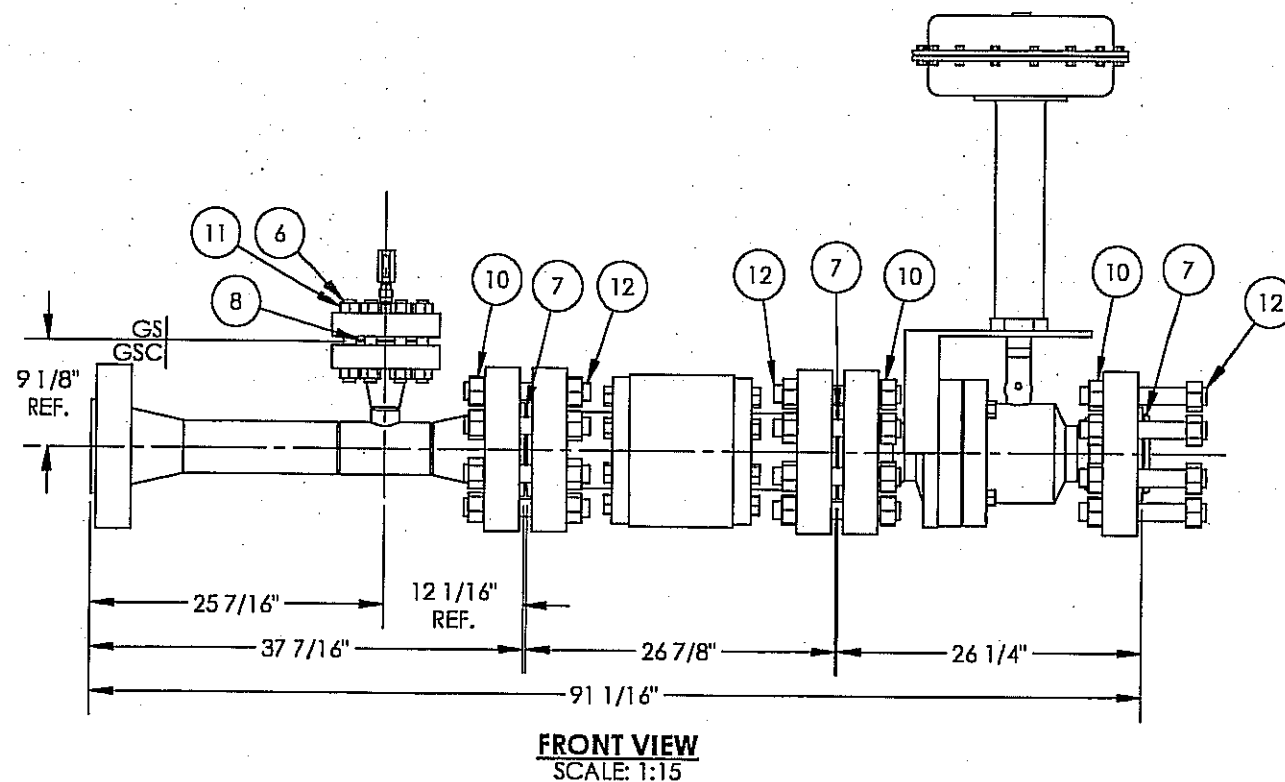




ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	SA350-LF2-CL1	100344	FLANGE 2" RTJWN SCH. XXH 2500 ANSI			1
2	SA-420-WPL6	100888	REDUCING TEE, 4" x 2" SCH XXH BW			1
3	-	102650	WILLIS MC20 INLINE CHOKE 4" 2500 ANSI RTJ w 656-60			1
4	-	102783	ACTUATOR & FISHER DVC6010 POSITIONER VALVE BALL JAG 4" 2500 ANSI RTJ NACE TB3- F40J25LG-CE5			1
5	SA350-LF2-CL1	125040	FLANGE 4" RTJWN SCH. XXH 2500 ANSI			2
6	ASTM-193	159227	B7M STUD 1" DIA. x 7" LG			8
7	MS	176080	RING GASKET R38			3
8	MS	255619	RING GASKET R26			1
9	SA-333-6	455932	PIPE 4" SCH. XXH SMLS		13 3/8"	1
10	ASTM-A194	607231	2HM HEX NUT 1 1/2" DIA.			48
11	ASTM-A194	844030	2HM HEX NUT 1" DIA.			16
12	ASTM-193	959859	B7M STUD 1 1/2" DIA. x 11" LG			24
13	SA-105N	BUY	FLANGE 2" RTJ BLIND TAPPED 3/4" 2500 ANSI			1
14	316 SST	BUY	SWAGE 3/4" x 1/2" SCH 160 THRD 316 SST			1
15	-	BUY	VALVE NEEDLE A/G 1/2" 6000 PSI FxH HVDS-4Q-SG			1

NOTES

1. ALL DIMENSIONS SHALL HAVE A TOLERANCE OF $\pm 1/8"$ UNLESS OTHERWISE SPECIFIED.
2. ALL BOLT HOLES STRADDLE COMMON CENTER LINE.
3. CUT LENGTHS FOR PIPE ARE FOR REFERENCE ONLY. SHOP TO ADJUST PIPE LENGTHS AS REQUIRED.



DESIGN DATA

LINE NUMBER:	PF-4"-I-XXHBD-100
CLIENT SPECIFICATION:	ENCANA GSC
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	4503 PSI
MAXIMUM DESIGN TEMPERATURE:	100 °F
MINIMUM DESIGN TEMPERATURE:	-49 °F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	6755 PSI
RADIOGRAPHY:	100% BW
OTHER NDE:	10% HARDNESS, 200 HB MAX.
POST WELD HEAT TREATMENT:	1150 °F $\pm$ 50 °F FOR 1 HOUR MIN.
CORROSION ALLOWANCE:	1/8"
Q.C. PROGRAM NO.:	AQP-1253
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2

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DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	DRAWING REVISIONS
08075-1	PIPING AND INSTRUMENTATION DIAGRAM	3	2011.08.03	JHK	GH	DF	RFDC #00566, REVISE P-130, REMOVE PCV-308
08075	GENERAL ARRANGEMENT	2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
		1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION

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SIGNED: _____

DATE: _____

W.O.: 08075-005

S.O.: _____

ALL DIMENSIONS IN INCHES

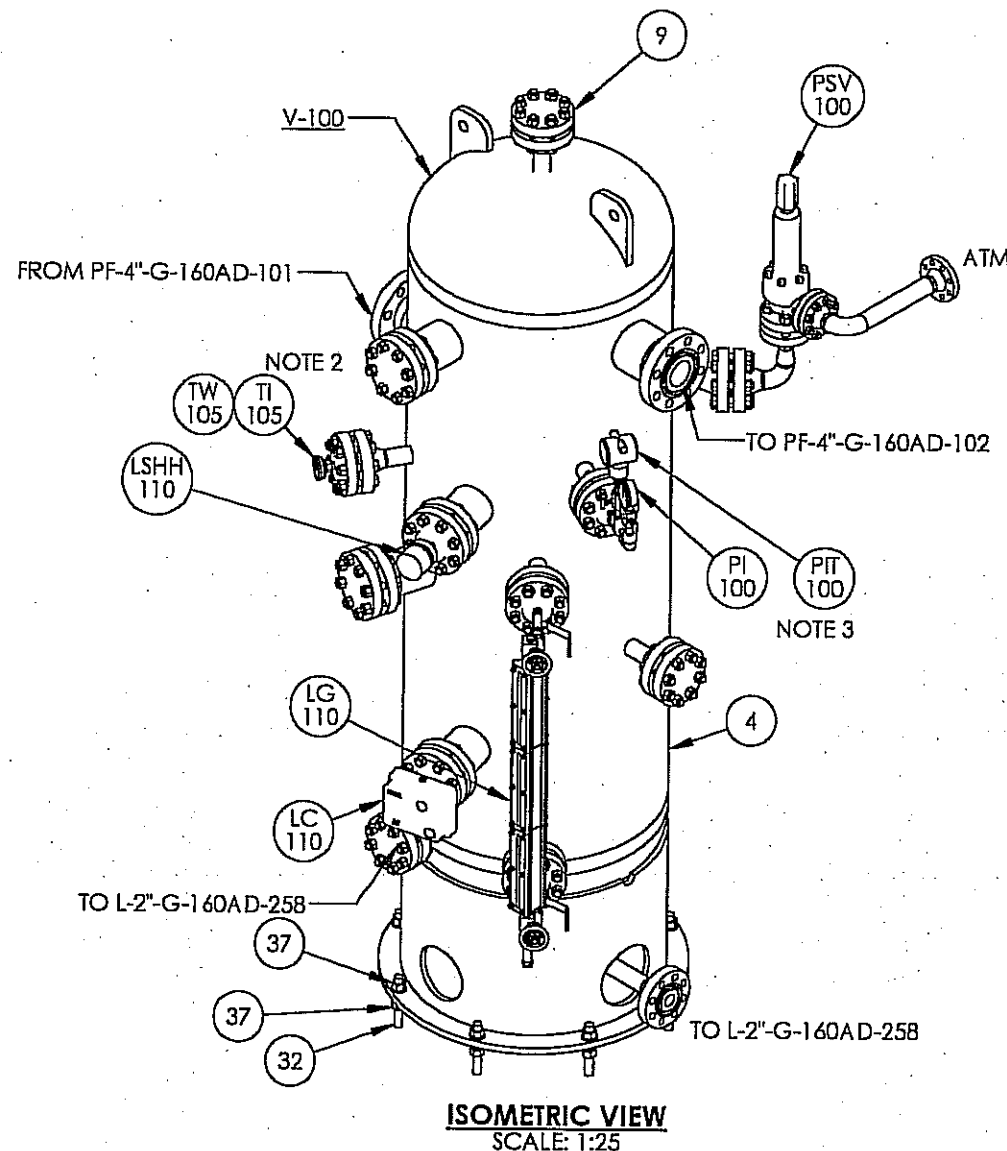


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ENCANA CORPORATION
DUAL SEPARATOR PACKAGE
36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY

DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:15	DWG: 08075-2	REV: 3
SHEET: 1 OF 24		



ISOMETRIC VIEW
SCALE: 1:25

NOTES

- SEE DETAILS ON NEXT PAGE.
- NO UNIONS TO BE USED ON THREADED PIPING.
- PIT-100/110 & PI-100 FACE TO BE ANGLED 30° DOWNWARDS TOWARDS FLOOR.

ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	SA-106B	-	NIPPLE 3/4" x 2" SCH XXH			2
2	ASTM-A194	053947	2HM HEX NUT 7/8" DIA.			208
3	ASTM-193	054020	B7M STUD 5/8" DIA. x 3 1/2" LG			8
4	-	08075-5	SEPARATOR VERTICAL 36" OD x 90" S/S 2219 MAWP			1
5	-	100365	1/2" 3000 PSI NUTRON T3 NACE TRIM FP BALL VALVE			1
6	SA-420-WPL6	100542	ELBOW 90 DEG LR, 2" SCH XH BW			1
7	-	100967	3/4" 3000 PSI NUTRON T3 NACE TRIM RP BALL VALVE			2
8	316SS	101928	MANIFOLD 2 VALVE A/G, MONEL STEM, NACE			2
9	SA-105N	102211	FLANGE 2" RTJ BLIND 900 ANSI			3
10	SA-105N	102212	FLANGE 3" RTJ BLIND 900 ANSI			2
11	SA-105N	102215	FLANGE 2" RTJWN SCH. 160 900 ANSI			1
12	SA-105N	102498	FLANGE 3" RTJ HUBBED 900 ANSI TAPPED 2" NPT			1
13	SA-105N	102499	FLANGE 2" RTJ HUBBED 900 ANSI TAPPED 1/2" NPT			1
14	SA-105N	102500	FLANGE 2" RTJ HUBBED 900 ANSI TAPPED 3/4" NPT			3
15	316SST	102664	PRESSURE INDICATOR WIKA 4" FACE 1/2" MNPT 0-3000 PSI MODEL 233.53			1
16	316 SS	102666	3/4" x 1/2" x 9", .260 BORE THERMOWELL			1
17	-	102830	RELIEF VALVE FARRIS MODEL 26EA14-120/S7 1 1/2" 900 RTJ X 2" 300 RF SET @ 2176 PSIG			1
18	-	102834	TRANSPARENT FLAT GLASS DANIEL 83TH 3000 PSI NACE			1
19	-	102842	SITE GLASS VALVE DANIEL TYPE 1S 3/4" MNPT 4000 PSI @ 100F NACE			1
20	-	102852	PRESSURE INDICATING TRANSMITTER ROSEMOUNT 3051TG4A2B21AB4C6M5			1
21	SA-105N	102863	FLANGE 1 1/2" RTJWN SCH. 160 900 ANSI			1
22	SA-234-WPB	102864	REDUCER 2" x 1 1/2" CONCENTRIC SCH 160 BW			1
23	MS	102866	RING GASKET R31			5
24	MS	102867	RING GASKET R24			8
25	SA-105N	102875	FLANGE 3" RTJ HUBBED 900 ANSI TAPPED 3/4" NPT			2
26	MS	103008	RING GASKET R20			1
27	GR. 8	103119	1 1/8" FLAT WASHER			8
28	SA-105	131991	1/2" CL 6000 THRD HEX PLUG			3
29	ASTM-193	169047	B7M STUD 1" DIA. x 6" LG			4
30	SA-105N	248832	ELBOW 1/2" CL 6000 THRD			1
31	SA-106B	455437	NIPPLE 1/2" x 2" SCH XXH			1
32	ASTM-193	475380	B7M STUD 1 1/8" DIA. x 8" LG			8
33	-	484079	FISHER L2 2" NPT LEVEL CONTROLLER			1
34	SA-105N	668150	TEE 1/2" CL 6000 THRD			1
35	ASTM-A194	698353	2HM HEX NUT 5/8" DIA.			16
36	SA-234-WPB	756601	ELBOW 2" LR 90 DEG SCH. 160			1
37	ASTM-A194	772062	2HM HEX NUT 1 1/8" DIA.			16
38	316SS	777116	GASKET 2" 300 ANSI RF SPIRALWOUND			1
39	SA-333-6	820011	PIPE 2" SCH. XH/80 SMLS		12 1/2"	1
40	ASTM-A194	844030	2HM HEX NUT 1" DIA.			8
41	ASTM-193	848833	B7M STUD 7/8" DIA. x 5 3/4" LG			104
42	SA350-LF2-CL1	900255	FLANGE 2" RFWN SCH XH 300			2
43	304 SS	912795	THERMOMETER 3" DIAL WIKA x 9" STEM 0-250 DEGREES F			1
44	SA-106B	958013	NIPPLE 1/2" x 2 1/2" SCH XXH			7
45	-	BUY	CAPACITANCE LEVEL SWITCH MAGNETROL 810-0205-D01			2

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DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	DRAWING REVISIONS
08075-1	PIPING AND INSTRUMENTATION DIAGRAM	3	2011.08.03	JHK	GH	DF	RFDC #00566, REVISE P-130, REMOVE PCV-308
08075	GENERAL ARRANGEMENT	2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
		1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION

ISSUED FOR
CONSTRUCTION

SIGNED: _____

DATE: _____

W.O.: 08075-COS

S.O.: _____

ALL DIMENSIONS IN INCHES

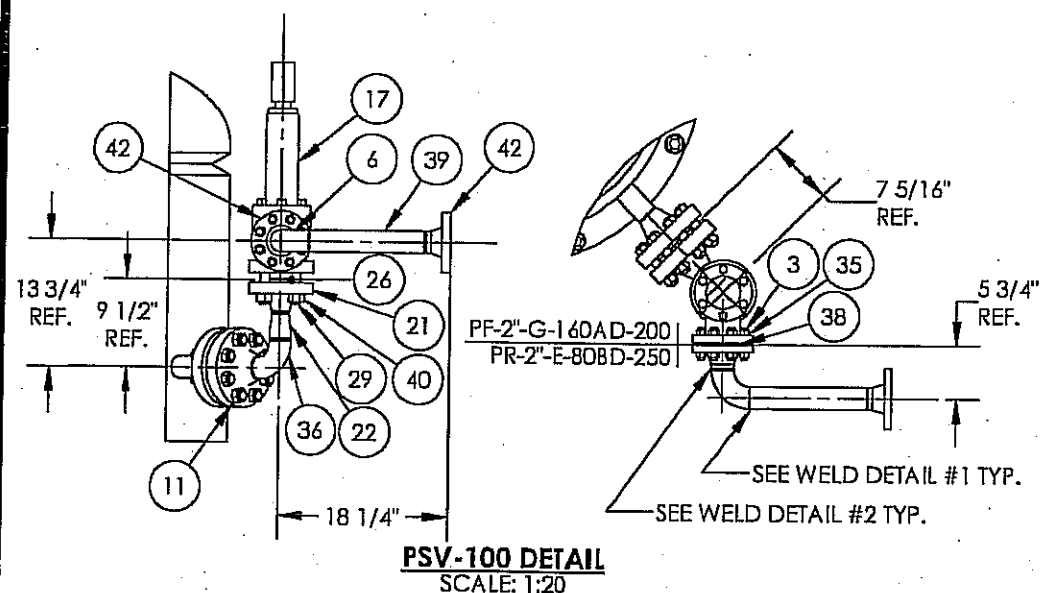


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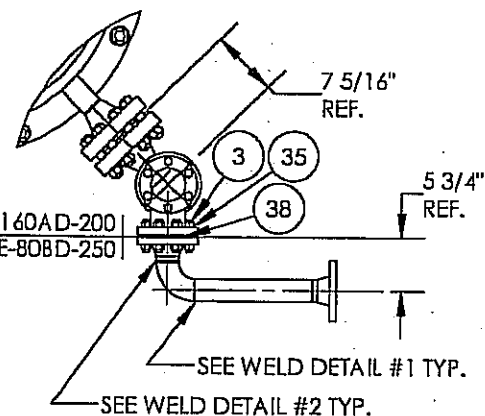
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ENCANA CORPORATION
DUAL SEPARATOR PACKAGE
36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY

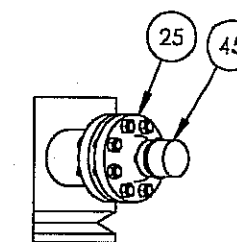
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DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:25	DWG: 08075-2	REV: 3
SHEET: 3 OF 24		



PSV-100 DETAIL
SCALE: 1:20

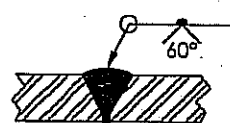


PIT-100 & PI-100 DETAIL
SCALE: 1:20



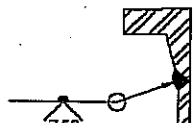
LSLL-111 DETAIL
SCALE: 1:20

WELD DETAIL #1



WPS NWP-4
(SMAW)

WELD DETAIL #2



WPS NWP-4
(SMAW)

NOTES

1. ALL DIMENSIONS SHALL HAVE A TOLERANCE OF $\pm 1/8$ " UNLESS OTHERWISE SPECIFIED.
2. ALL BOLT HOLES STRADDLE COMMON CENTER LINE.
3. CUT LENGTHS FOR PIPE ARE FOR REFERENCE ONLY. SHOP TO ADJUST PIPE LENGTHS AS REQUIRED.

DESIGN DATA

LINE NUMBER:	PF-2"-G-1 60AD-200
CLIENT SPECIFICATION:	ENCANA ES
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	2220 PSI
MAXIMUM DESIGN TEMPERATURE:	100 °F
MINIMUM DESIGN TEMPERATURE:	-20 °F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	3330 PSI
RADIOGRAPHY:	100% BW
OTHER NDE:	10% HARDNESS, 200 HB MAX.
POST WELD HEAT TREATMENT:	1150 °F $\pm$ 50 °F FOR 1 HOUR MIN.
CORROSION ALLOWANCE:	1/8"
Q.C. PROGRAM NO.:	AQP-1253
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2

DESIGN DATA

LINE NUMBER:	PR-2"-E-80BD-250
CLIENT SPECIFICATION:	ENCANA BSC
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	740 PSI
MAXIMUM DESIGN TEMPERATURE:	100 °F
MINIMUM DESIGN TEMPERATURE:	-49 °F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	1110 PSI
RADIOGRAPHY:	100% BW
OTHER NDE:	10% HARDNESS, 200 HB MAX.
POST WELD HEAT TREATMENT:	1150 °F $\pm$ 50 °F FOR 1 HOUR MIN.
CORROSION ALLOWANCE:	1/8"
Q.C. PROGRAM NO.:	AQP-1253
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2

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08075-1	PIPING AND INSTRUMENTATION DIAGRAM	1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
08075	GENERAL ARRANGEMENT	0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION

REFERENCE DRAWINGS

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ALL DIMENSIONS IN INCHES



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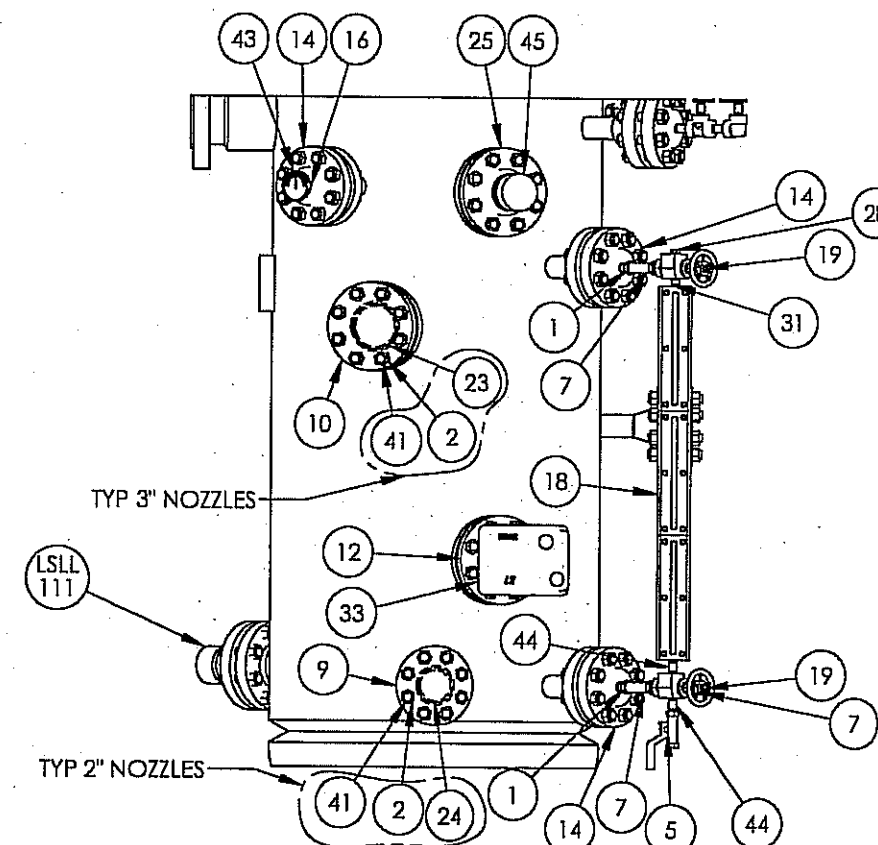
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**ENCANA CORPORATION
DUAL SEPARATOR PACKAGE**

36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY

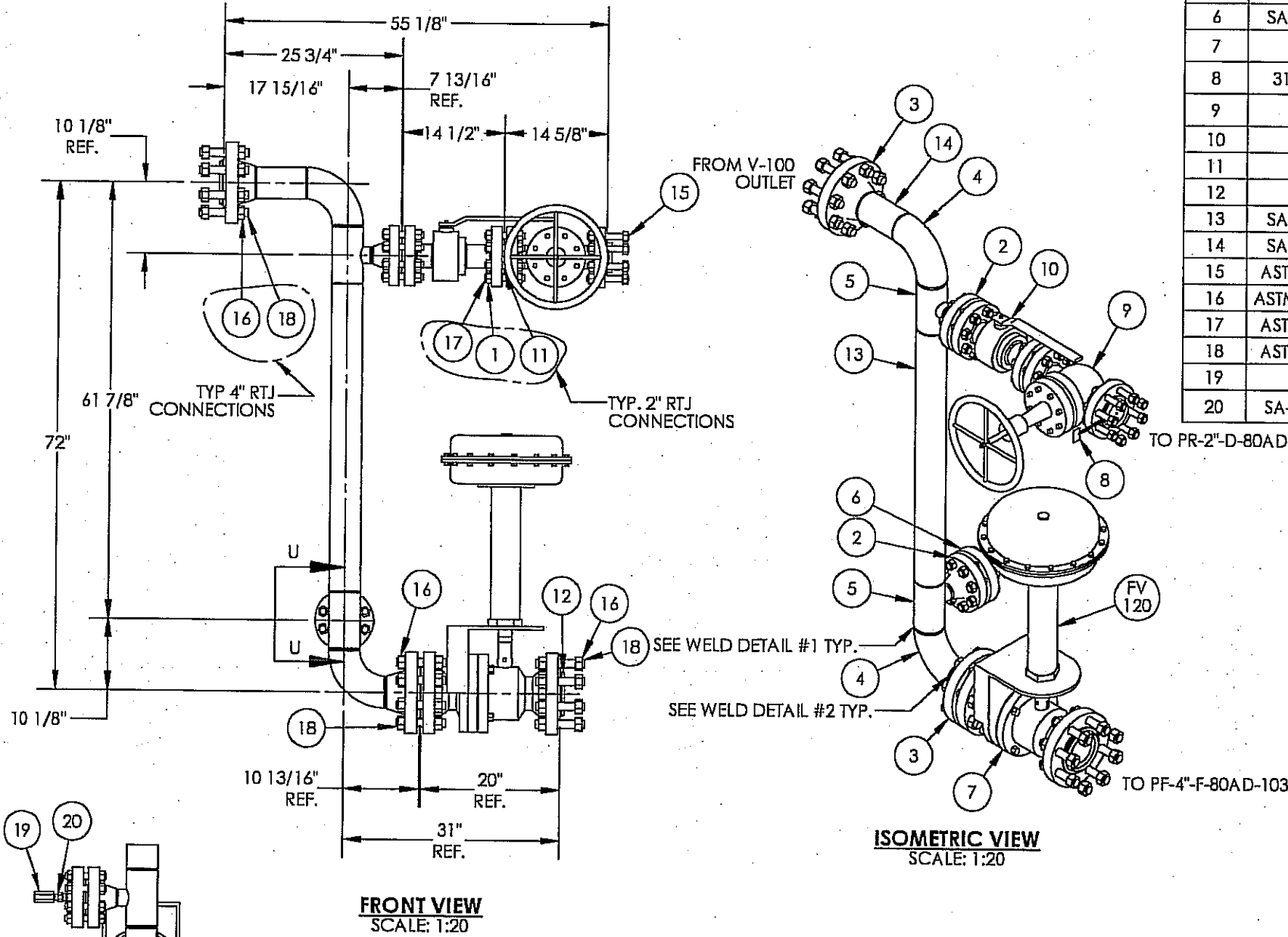
DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06

SCALE: 1:20	DWG: 08075-2	REV: 3
SHEET: 4 OF 24		

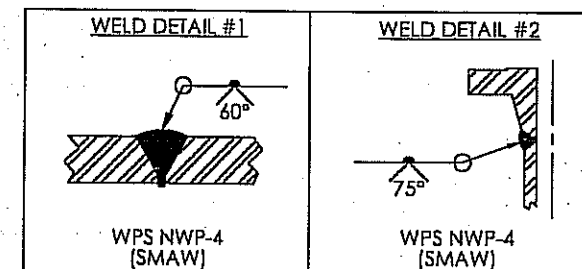


LG-110/LC-110/TI-105/LSHH-110 DETAIL
SCALE: 1:20

ORIGINAL



ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	ASTM-A194	053947	2HM HEX NUT 7/8" DIA.			64
2	SA-105N	102215	FLANGE 2" RTJWN SCH. 160 900 ANSI			2
3	SA-105N	102258	FLANGE 4" RTJWN SCH. 160 900 ANSI			2
4	SA-234-WPB	102259	ELBOW 4" LR 90 DEG SCH. 160			2
5	SA-234-WPB	102267	REDUCING TEE, 4"x4"x2" SCH.160 BW			2
6	SA-105N	102500	FLANGE 2" RTJ HUBBED 900 ANSI TAPPED 3/4" NPT			1
7	-	102651	WILLIS MC20 INLINE CHOKE 4" 900 ANSI RTJ w 656-60 ACTUATOR * FISHER DVC6010 POSITIONER			1
8	316 SST	102698	ORIFICE RESTRICTION 2" 900 ANSI RTJ 0.19" ORIFICE SIZE MODEL 560			1
9	-	102784	VALVE GLOBE NEWCO 2" 1500 ANSI RTJ 215J-LF24/3-NC-INT-SP			1
10	-	102810	VALVE BALL JAG 2" 1500 ANSI RTJ RP FB2-R20J15L			1
11	MS	102867	RING GASKET R24			3
12	MS	102868	RING GASKET R37			3
13	SA-106B	218035	PIPE 4" SCH. 160		43 1/2"	1
14	SA-106B	218035	PIPE 4" SCH. 160		7 1/8"	1
15	ASTM-193	474014	B7M STUD 7/8" DIA. x 6" LG			8
16	ASTM-A194	772062	2HM HEX NUT 1 1/8" DIA.			48
17	ASTM-193	848833	B7M STUD 7/8" DIA. x 5 3/4" LG			24
18	ASTM-193	897866	B7M STUD 1 1/8" DIA. x 7" LG			24
19	-	BUY	VALVE NEEDLE A/G 1/2" 6000 PSI FxF H1VDS-4Q-SG			1
20	SA-105N	SWA.75.5YXXHEE	SWAGE 3/4" x 1/2" SCH XXH THRD SA 105N			1



DESIGN DATA	
LINE NUMBER:	PF-4"-G-160AD-102
CLIENT SPECIFICATION:	ENCANA ES
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	2220 PSI
MAXIMUM DESIGN TEMPERATURE:	100°F
MINIMUM DESIGN TEMPERATURE:	-20°F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	3330 PSI
RADIOGRAPHY:	100% BW
OTHER NDE:	10% HARDNESS, 200 HB MAX.
POST WELD HEAT TREATMENT:	1150°F ±50°F FOR 1 HOUR MIN.
CORROSION ALLOWANCE:	1/8"
Q.C. PROGRAM NO.:	AQP-1253
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2

- NOTES**
1. ALL DIMENSIONS SHALL HAVE A TOLERANCE OF $\pm 1/8"$ UNLESS OTHERWISE SPECIFIED.
 2. ALL BOLT HOLES STRADDLE COMMON CENTER LINE.
 3. CUT LENGTHS FOR PIPE ARE FOR REFERENCE ONLY. SHOP TO ADJUST PIPE LENGTHS AS REQUIRED.

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QC Copy		3	2011.08.03	JHK	GH	DF	RFDC #00566, REVISE P-130, REMOVE PCV-308
08075-1	PIPING AND INSTRUMENTATION DIAGRAM	2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
08075	GENERAL ARRANGEMENT	1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION
DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	
REFERENCE DRAWINGS		DRAWING REVISIONS					

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W.O.: 08075-005

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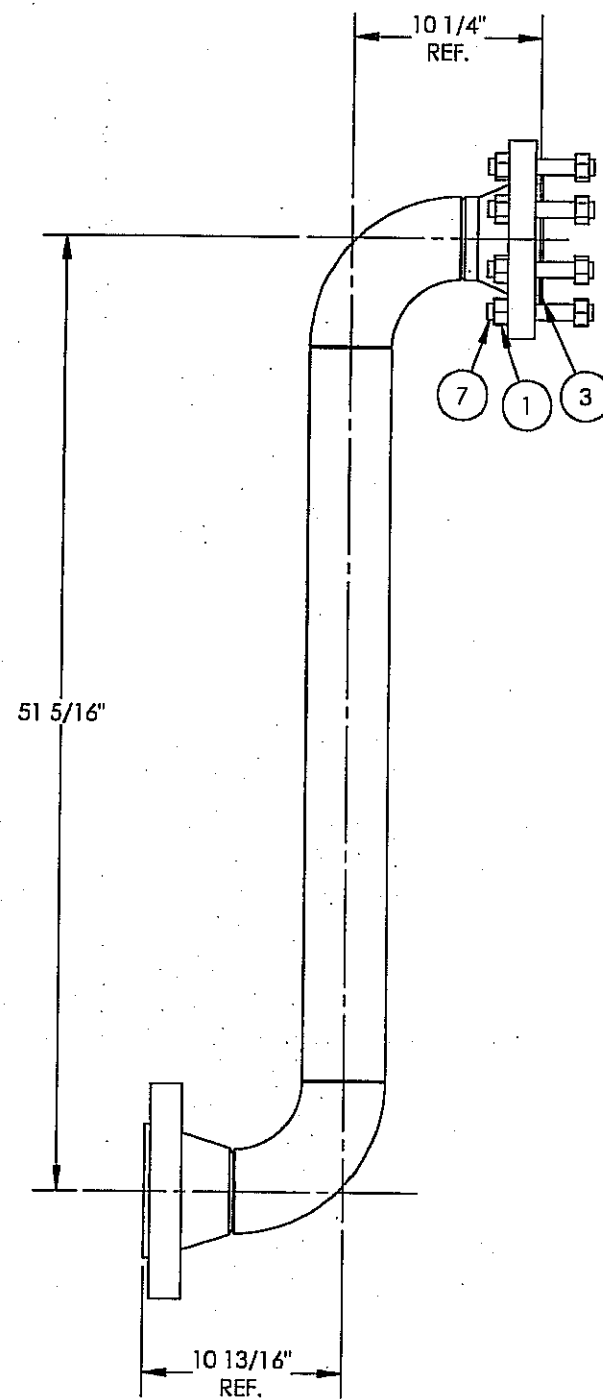
ALL DIMENSIONS IN INCHES

NWP INDUSTRIES INC.
Total oilfield supply.

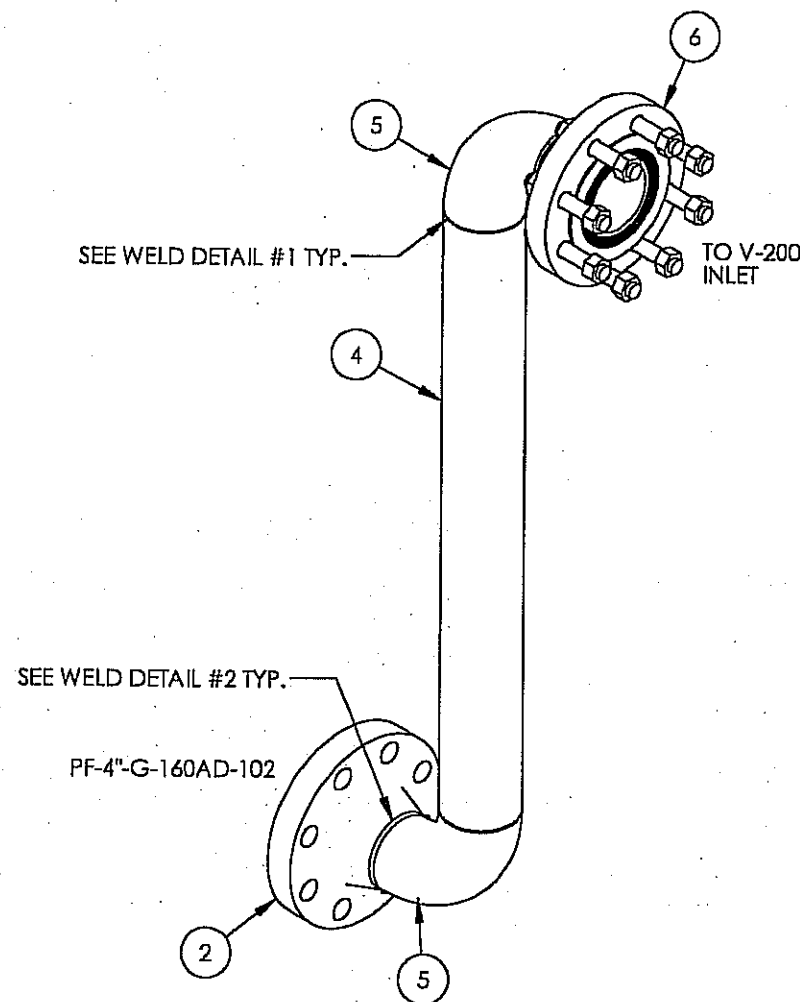
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ENCANA CORPORATION DUAL SEPARATOR PACKAGE		
36" OD x 90" S/S 2219 MAWP SEPARATOR 24" OD x 90" S/S 1440 MAWP SEPARATOR PIPING ASSEMBLY		
DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:20	DWG: 08075-2	
SHEET: 5 OF 24	REV: 3	



FRONT VIEW
SCALE: 1:10

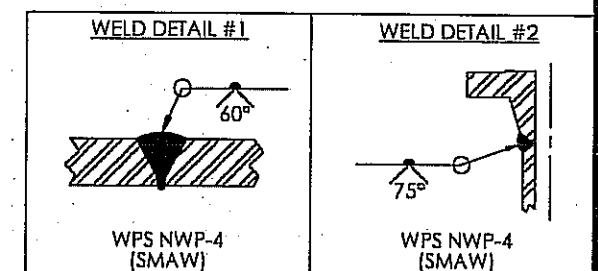


ISOMETRIC VIEW
SCALE: 1:10

ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	ASTM-A194	053947	2HM HEX NUT 7/8" DIA.			16
2	SA-105N	102965	FLANGE 4" RTJWN SCH. XH/80 900 ANSI			1
3	316 SS	171196	GASKET 4" RF SPIRALWOUND 600 ANSI			1
4	SA-106B	479757	PIPE 4" SCH. XH/80		39 5/16"	1
5	SA-234-WPB	481602	ELBOW 4" LR 90 DEG SCH. XH/80			2
6	SA-105N	496338	FLANGE 4" RFWN SCH. XH/80 BORE 600 ANSI			1
7	ASTM-193	848833	B7M STUD 7/8" DIA. x 5 3/4" LG			8

NOTES

1. ALL DIMENSIONS SHALL HAVE A TOLERANCE OF $\pm 1/8"$ UNLESS OTHERWISE SPECIFIED.
2. ALL BOLT HOLES STRADDLE COMMON CENTER LINE.
3. CUT LENGTHS FOR PIPE ARE FOR REFERENCE ONLY. SHOP TO ADJUST PIPE LENGTHS AS REQUIRED.



DESIGN DATA	
LINE NUMBER:	PF-4"-F-80AD-103
CLIENT SPECIFICATION:	ENCANA DS
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	1480 PSI
MAXIMUM DESIGN TEMPERATURE:	100 °F
MINIMUM DESIGN TEMPERATURE:	-20 °F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	2220 PSI
RADIOGRAPHY:	100% BW
OTHER NDE:	10% HARDNESS, 200 HB MAX.
POST WELD HEAT TREATMENT:	1150 °F $\pm$ 50 °F FOR 1 HOUR MIN.
CORROSION ALLOWANCE:	1/8"
Q.C. PROGRAM NO.:	AQP-1253
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2

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08075	GENERAL ARRANGEMENT	1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION
DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	
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ALL DIMENSIONS IN INCHES



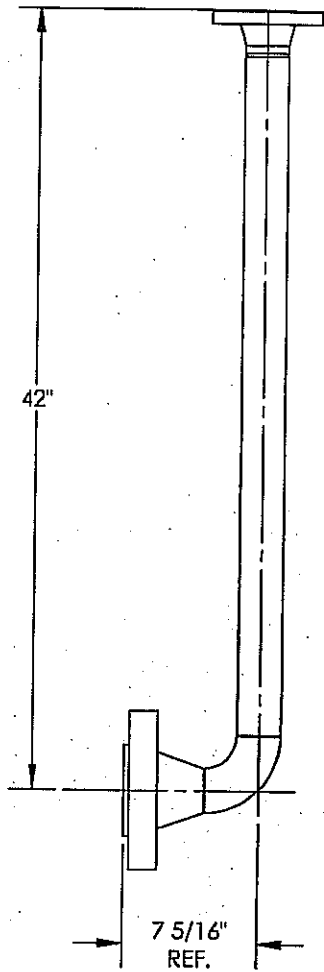
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ENCANA CORPORATION
DUAL SEPARATOR PACKAGE
36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY

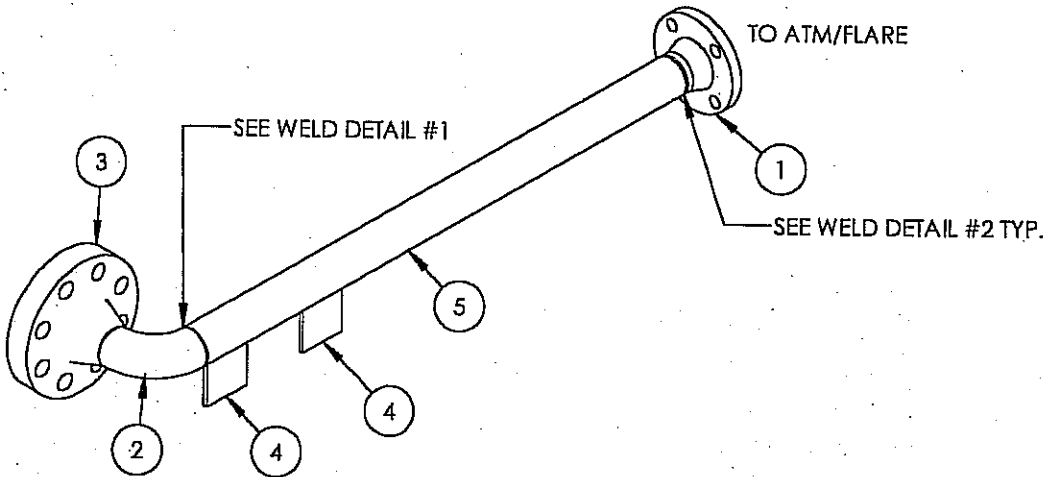
DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:10	DWG: 08075-2	
SHEET: 6 OF 24	REV: 3	

ITEM	MATERIAL	PART. #	DESCRIPTION	MTR #	LENGTH	QTY.
1	SA350-LF2-CL1	100270	FLANGE 2" RFWN XH 150 ANSI			1
2	SA-420-WPL6	100542	ELBOW 90 DEG LR, 2" SCH XH BW			1
3	SA350-LF2-CL1	102913	FLANGE 2" RTJWN SCH. XH/80 BORE 900 ANSI			1
4	SA-36/44W	772814	FLAT BAR 1/4" x 3"		3"	2
5	SA-333-6	820011	PIPE 2" SCH. XH/80 SMLS		36 1/2"	1

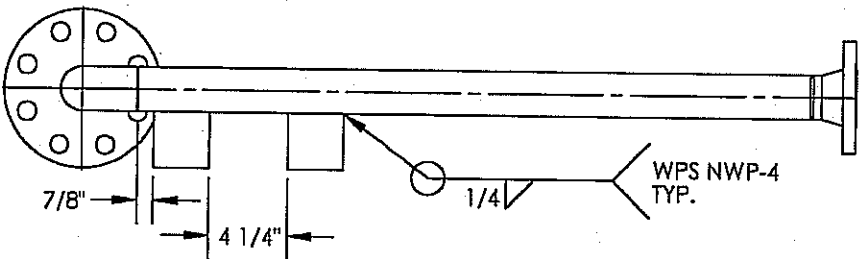


PLAN VIEW
SCALE: 1:10

FROM PF-4"-G-160AD-102



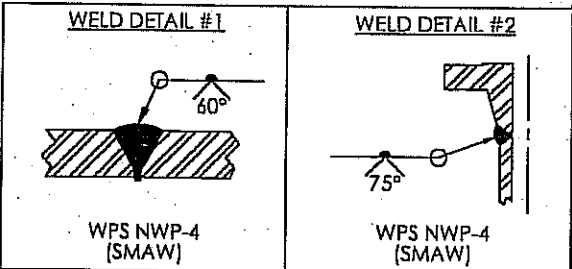
ISOMETRIC VIEW
SCALE: 1:10



SIDE VIEW
SCALE: 1:10

ORIGINAL

- NOTES**
1. ALL DIMENSIONS SHALL HAVE A TOLERANCE OF $\pm 1/8$ " UNLESS OTHERWISE SPECIFIED.
 2. ALL BOLT HOLES STRADDLE COMMON CENTER LINE.
 3. CUT LENGTHS FOR PIPE ARE FOR REFERENCE ONLY. SHOP TO ADJUST PIPE LENGTHS AS REQUIRED.



DESIGN DATA	
LINE NUMBER:	PR-2"-D-80BD-252
CLIENT SPECIFICATION:	ENCANA ASC
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	285 PSI
MAXIMUM DESIGN TEMPERATURE:	100°F
MINIMUM DESIGN TEMPERATURE:	-49°F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	427 PSI
RADIOGRAPHY:	100% BW
OTHER NDE:	10% HARDNESS, 200 HB MAX.
POST WELD HEAT TREATMENT:	1150°F $\pm$ 50°F FOR 1 HOUR MIN.
CORROSION ALLOWANCE:	1/8"
Q.C. PROGRAM NO.:	AQP-1253
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2

FOR INFORMATION ONLY							
	QC Copy	3	2011.08.03	JHK	JHK	DF	RFDC #00566, REVISE P-130, REMOVE PCV-308
08075-1	PIPING AND INSTRUMENTATION DIAGRAM	2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
08075	GENERAL ARRANGEMENT	1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION
DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	
REFERENCE DRAWINGS		DRAWING REVISIONS					

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CONSTRUCTION

SIGNED: _____

DATE: _____

W.O.: 08075-005

S.O.: _____

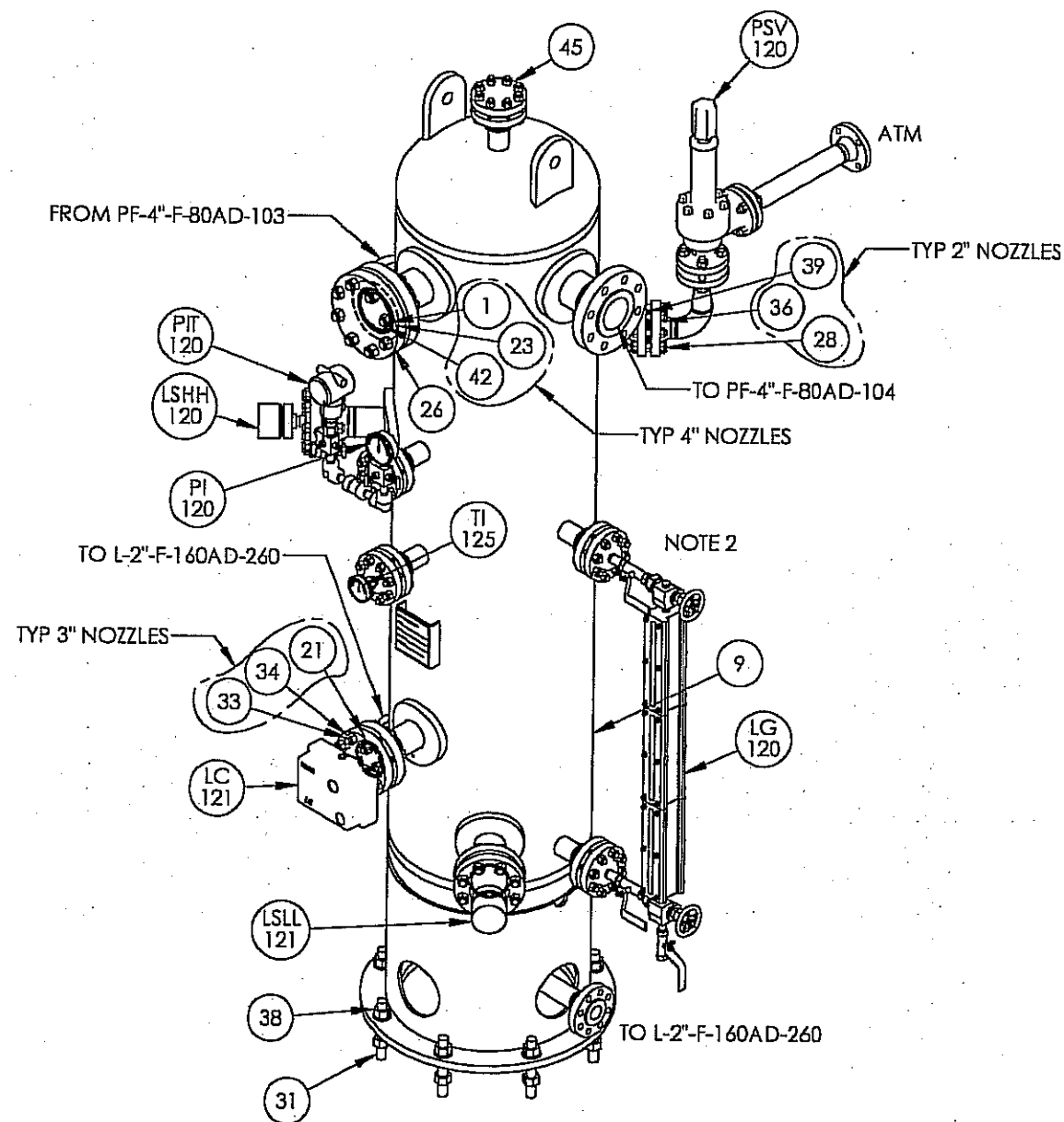
ALL DIMENSIONS IN INCHES



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ENCANA CORPORATION DUAL SEPARATOR PACKAGE		
36" OD x 90" S/S 2219 MAWP SEPARATOR		
24" OD x 90" S/S 1440 MAWP SEPARATOR		
PIPING ASSEMBLY		
DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:10	DWG: 08075-2	
SHEET: 7 OF 24	REV: 3	



ISOMETRIC VIEW
SCALE: 1:20

NOTES

1. SEE DETAILS ON NEXT PAGE.
2. NO UNIONS TO BE USED ON THREADED PIPING.

ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	ASTM-A194	053947	2HM HEX NUT 7/8" DIA.			16
2	ASTM-193	054020	B7M STUD 5/8" DIA. x 3 1/2" LG			4
3	SA350-LF2-CL1	100270	FLANGE 2" RFWN XH 150 ANSI			2
4	-	100365	1/2" 3000 PSI NUTRON T3 NACE TRIM FP BALL VALVE			1
5	-	100967	3/4" 3000 PSI NUTRON T3 NACE TRIM RP BALL VALVE			2
6	SA-105N	101474	FLANGE 2" 600 ANSI RF HUBBED BLIND TAPPED 1/2" NPT			1
7	SA-105N	101831	FLANGE 2" 600 ANSI RF HUBBED BLIND TAPPED 3/4" NPT			3
8	316SS	101928	MANIFOLD 2 VALVE A/G, MONEL STEM, NACE			2
9	-	102038	VERTICAL SEPARATOR 24" OD x 90" S/S 1440 MAWP			1
10	SA-106B	102108	NIPPLE 3/4" x 3" SCH XXH			2
11	SA-105N	102545	FLANGE 3" 600 ANSI RF HUBBED BLIND TAPPED 2" NPT			1
12	316SST	102664	PRESSURE INDICATOR WIKA 4" FACE 1/2" MNPT 0-3000 PSI MODEL 233.53			1
13	316 SS	102666	3/4" x 1/2" x 9", .260 BORE THERMOWELL			1
14	-	102833	RELIEF VALVE FARRIS MODEL 26FA13-120/S7 1 1/2" 600 RF X 2" 150 RF, SET @1440 PSIG			1
15	-	102834	TRANSPARENT FLAT GLASS DANIEL 83TH 3000 PSI NACE			1
16	-	102842	SITE GLASS VALVE DANIEL TYPE 1S 3/4" MNPT 4000 PSI @ 100F NACE			1
17	-	102852	PRESSURE INDICATING TRANSMITTER ROSEMOUNT 3051TG4A2B21AB4C6M5			1
18	SA-234-WPB	102864	REDUCER 2" x 1 1/2" CONCENTRIC SCH 160 BW			1
19	SA-105N	102906	FLANGE 3" 600 ANSI RF HUBBED BLIND TAPPED 3/4" NPT			2
20	GR. 8	103119	1 1/8" FLAT WASHER			8
21	316 SS	107910	GASKET 3" RF SPIRALWOUND 600 ANSI			3
22	SA-105	131991	1/2" CL 6000 THRD HEX PLUG			3
23	316 SS	171196	GASKET 4" RF SPIRALWOUND 600 ANSI			1
24	SA-105N	248832	ELBOW 1/2" CL 6000 THRD			2
25	316SS	263242	GASKET 2" 150 ANSI RF SPIRALWOUND			1
26	SA-105N	388347	FLANGE BLIND 4" 600 ANSI RF			1
27	316 SS	426830	GASKET 1 1/2" RF SPIRALWOUND 600 ANSI			1
28	ASTM-193	433978	B7M STUD 5/8" DIA. x 4 1/4" LG			48
29	SA-106B	455437	NIPPLE 1/2" x 2" SCH XXH			1
30	ASTM-193	468303	B7M STUD 3/4" DIA. x 4 3/4" LG			4
31	ASTM-193	475380	B7M STUD 1 1/8" DIA. x 8" LG			8
32	-	484079	FISHER L2 2" NPT LEVEL CONTROLLER			1
33	ASTM-193	529250	B7M STUD 3/4" DIA. x 5" LG			24
34	ASTM-A194	655055	2HM HEX NUT 3/4" DIA.			56
35	SA-105N	668150	TEE 1/2" CL 6000 THRD			1
36	ASTM-A194	698353	2HM HEX NUT 5/8" DIA.			104
37	SA-234-WPB	756601	ELBOW 2" LR 90 DEG SCH. 160			1
38	ASTM-A194	772062	2HM HEX NUT 1 1/8" DIA.			16
39	316 SS	777116	GASKET 2" RF SPIRALWOUND 600 ANSI			6
40	SA-333-6	820011	PIPE 2" SCH. XH/80 SMLS		13 5/8"	1
41	SA-105N	835453	FLANGE 2" RFWN SCH. 160 BORE 600 ANSI			1
42	ASTM-193	848833	B7M STUD 7/8" DIA. x 5 3/4" LG			8
43	SA-105N	859702	FLANGE 1 1/2" RFWN SCH. 160 BORE 600 ANSI			1
44	304 SS	912795	THERMOMETER 3" DIAL WIKA x 9" STEM 0-250 DEGREES F			1
45	SA-105N	944105	FLANGE BLIND 2" 600 ANSI RF			1
46	SA-106B	958013	NIPPLE 1/2" x 2 1/2" SCH XXH			8
47	-	BUY	CAPACITANCE LEVEL SWITCH MAGNETROL 810-0205-D01			2

ORIGINAL

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DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	DRAWING REVISIONS
08075-1	PIPING AND INSTRUMENTATION DIAGRAM	3	2011.08.03	JHK	GH	DF	RFDC #00566, REVISE P-130, REMOVE PCV-308
08075	GENERAL ARRANGEMENT	2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
		1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION

ISSUED FOR
CONSTRUCTION

SIGNED: _____

DATE: _____

W.O. 08075-005

S.O.: _____

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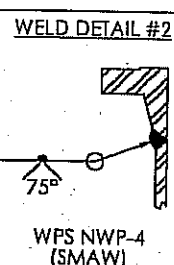
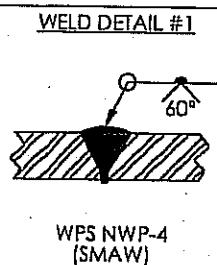
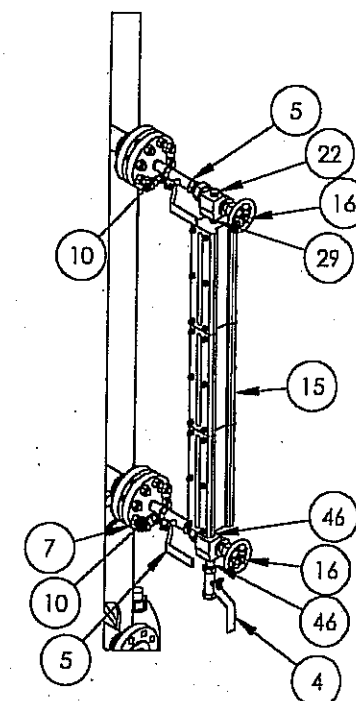
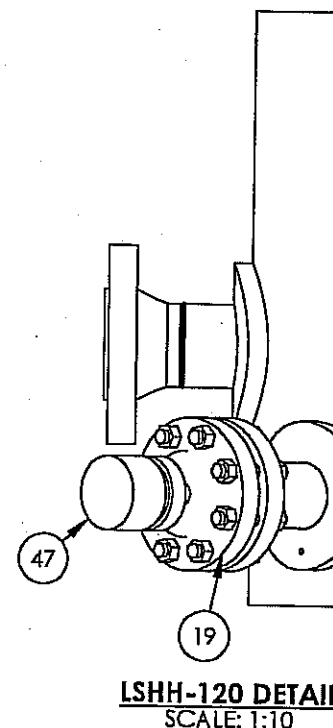
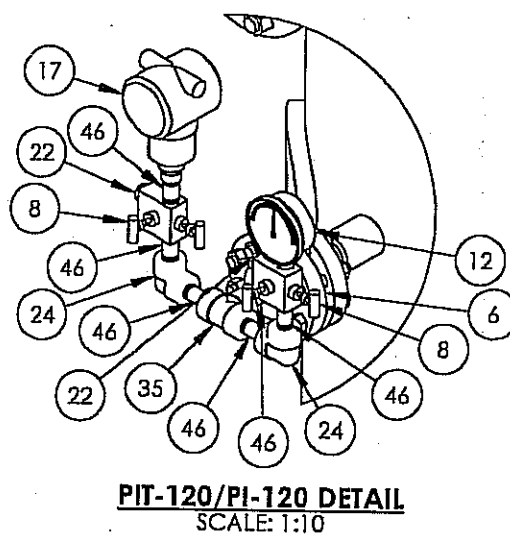
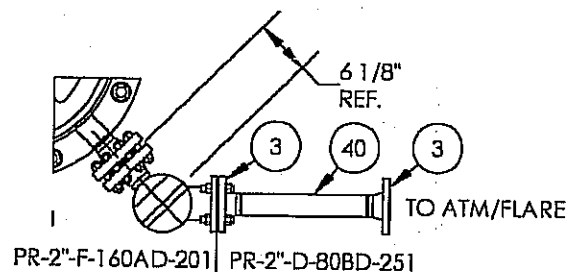
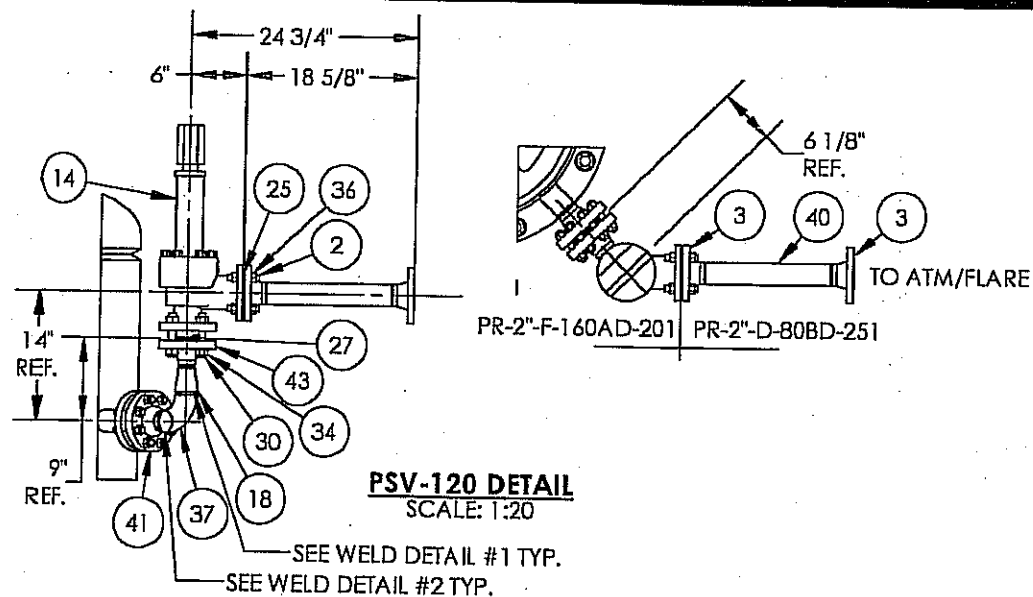


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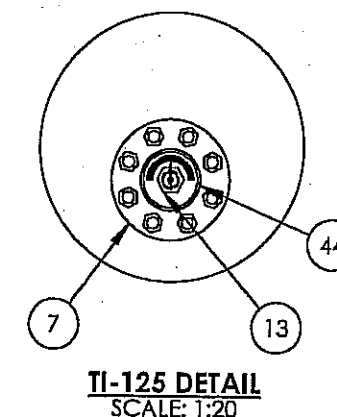
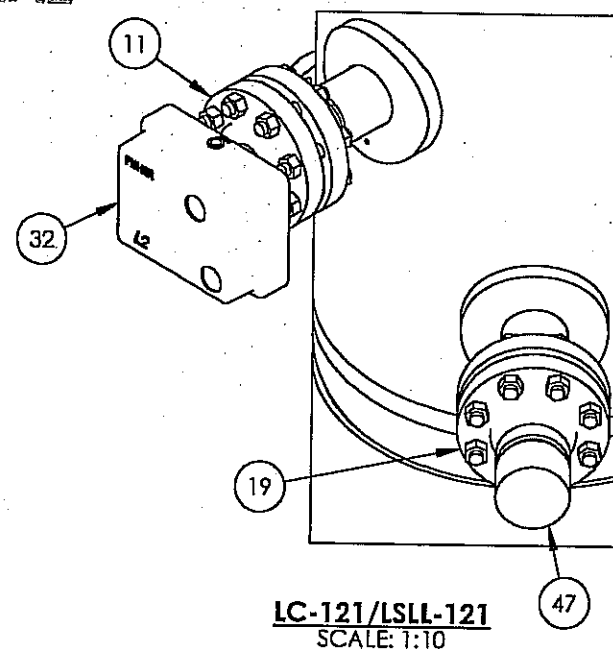
ENCANA CORPORATION
DUAL SEPARATOR PACKAGE
36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY

DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:20	DWG: 08075-2	REV: 3
SHEET: 8 OF 24		



- NOTES**
1. ALL DIMENSIONS SHALL HAVE A TOLERANCE OF $\pm 1/8$ " UNLESS OTHERWISE SPECIFIED.
 2. ALL BOLT HOLES STRADDLE COMMON CENTER LINE.
 3. CUT LENGTHS FOR PIPE ARE FOR REFERENCE ONLY. SHOP TO ADJUST PIPE LENGTHS AS REQUIRED.

ORIGINAL



DESIGN DATA					
LINE NUMBER:	PR-2'-F-160AD-201	LINE NUMBER:	PR-2'-D-80BD-251		
CLIENT SPECIFICATION:	ENCANA DS	CLIENT SPECIFICATION:	ENCANA ASC		
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION	DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION		
DESIGN PRESSURE:	1480 PSI	DESIGN PRESSURE:	285 PSI		
MAXIMUM DESIGN TEMPERATURE:	100 °F	MAXIMUM DESIGN TEMPERATURE:	100 °F		
MINIMUM DESIGN TEMPERATURE:	-20 °F	MINIMUM DESIGN TEMPERATURE:	-49 °F		
SERVICE:	HYDROCARBONS	SERVICE:	HYDROCARBONS		
HYDROSTATIC TEST PRESSURE:	2220 PSI	HYDROSTATIC TEST PRESSURE:	427 PSI		
RADIOGRAPHY:	100% BW	RADIOGRAPHY:	100% BW		
OTHER NDE:	10% HARDNESS, 200 HB MAX.	OTHER NDE:	10% HARDNESS, 200 HB MAX.		
POST WELD HEAT TREATMENT:	1150 °F $\pm$ 50 °F FOR 1 HOUR MIN.	POST WELD HEAT TREATMENT:	1150 °F $\pm$ 50 °F FOR 1 HOUR MIN.		
CORROSION ALLOWANCE:	1/8"	CORROSION ALLOWANCE:	1/8"		
Q.C. PROGRAM NO.:	AQP-1253	Q.C. PROGRAM NO.:	AQP-1253		
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2	WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2		

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DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	
08075-1	PIPING AND INSTRUMENTATION DIAGRAM	1	2011.06.16	JHK	GH	DF	RFDC #00566, REVISE P-130, REMOVE PCV-308
08075	GENERAL ARRANGEMENT	0	2011.06.08	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
							REVISED AS PER RFDC #00512
							ISSUED FOR CONSTRUCTION

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SIGNED: _____

DATE: _____

W.O.: 08075-005

S.O.: _____

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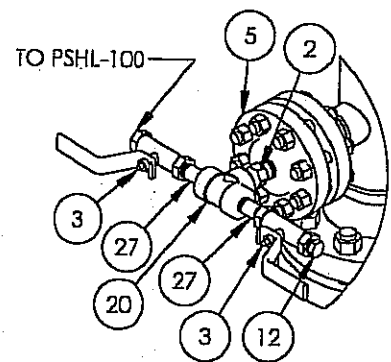


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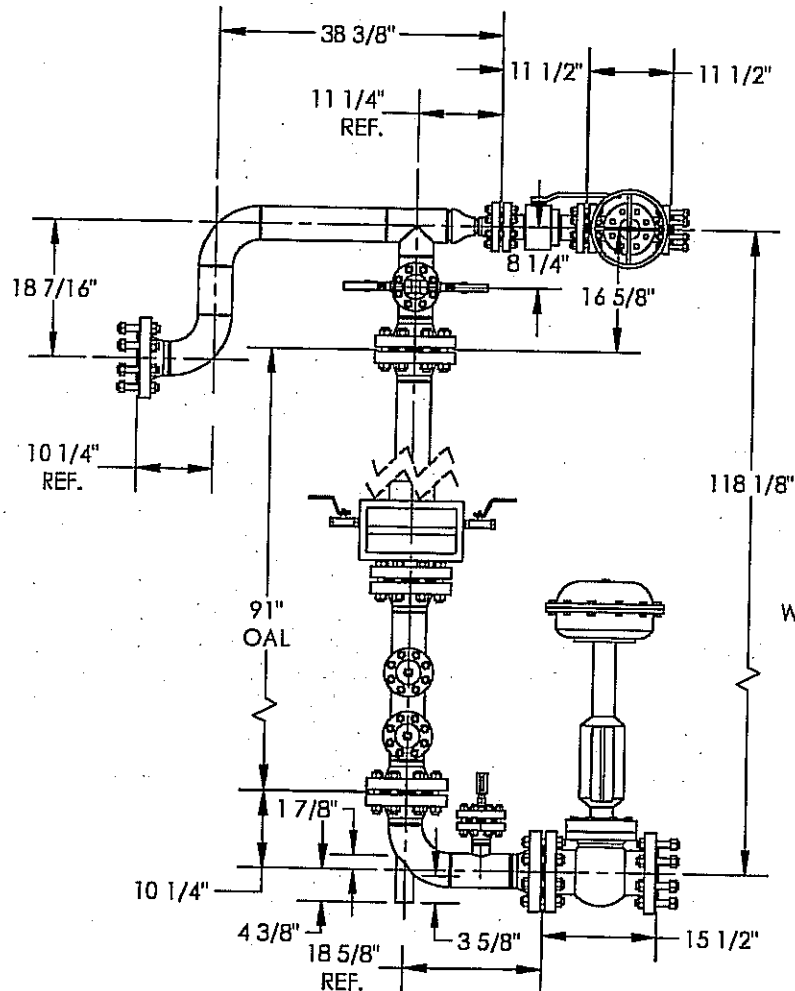
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ENCANA CORPORATION
DUAL SEPARATOR PACKAGE
36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY.

DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:20	DWG: 08075-2	REV: 3
SHEET: 9 OF 24		



DETAIL 'N'
SCALE: 1:10



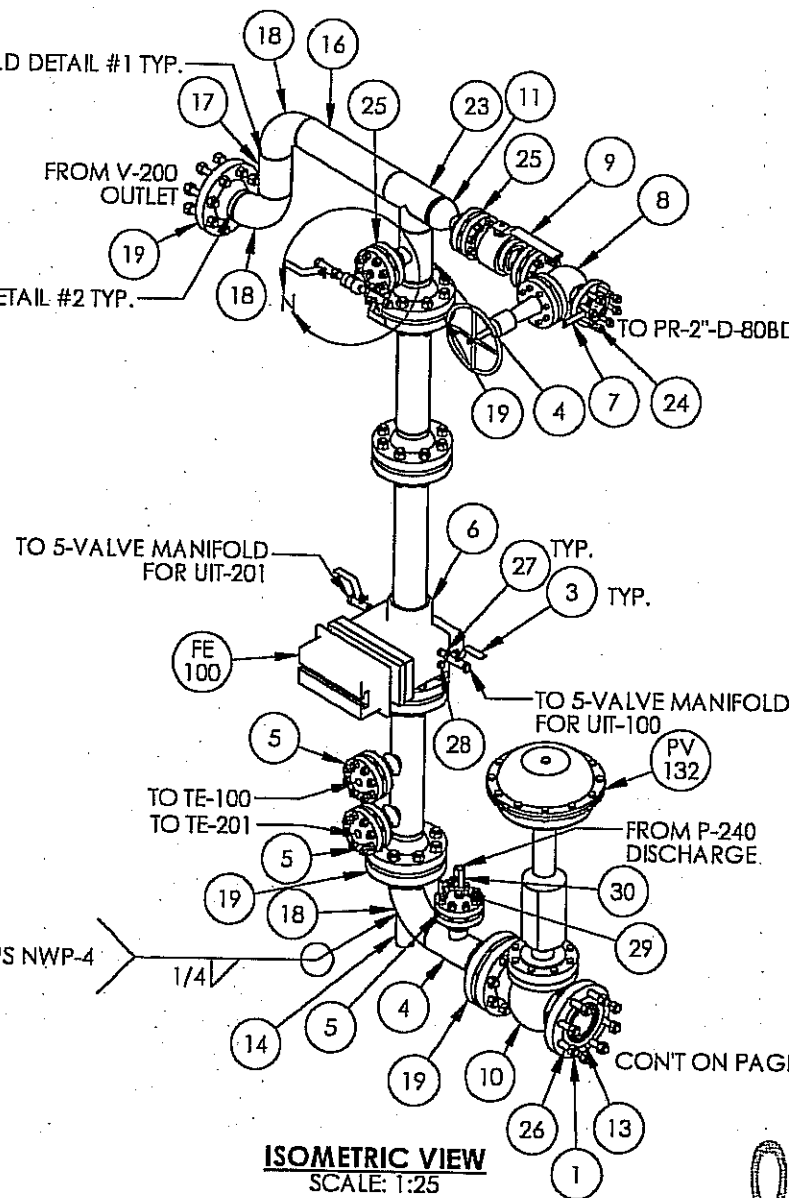
FRONT VIEW
SCALE: 1:25

NOTES

1. ALL DIMENSIONS SHALL HAVE A TOLERANCE OF $\pm 1/8$ " UNLESS OTHERWISE SPECIFIED.
2. ALL BOLT HOLES STRADDLE COMMON CENTER LINE.
3. CUT LENGTHS FOR PIPE ARE FOR REFERENCE ONLY. SHOP TO ADJUST PIPE LENGTHS AS REQUIRED.
4. MPI - 10% SW, MAX 200 BHN, 10% OF WELDS.

SEE WELD DETAIL #1 TYP.

SEE WELD DETAIL #2 TYP.

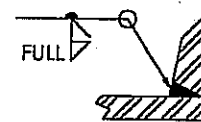


ISOMETRIC VIEW
SCALE: 1:25

ORIGINAL

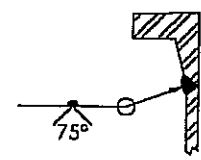
ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	ASTM-A194	053947	2HM HEX NUT 7/8" DIA.			80
2	SA-105	091903	3/4" x 1/2" SCH. XXH SWAGE			1
3	-	100365	1/2" 3000 PSI NUTRON T3 NACE TRIM FP BALL VALVE			4
4	SA-234-WPB	100933	REDUCING TEE, 4" x 4" x 2" SCH. XH/80 x 160 3:1 TAPER			2
5	SA-105N	101831	FLANGE 2" 600 ANSI RF HUBBED BLIND TAPPED 3/4" NPT			4
6	-	102029	METER RUN, CANALTA SENIOR 4" 600 ANSI RF SCH. XH, 91 OAL FLANGED, AGA 3 (2000 ED)			1
7	316 SST	102726	ORIFICE RESTRICTION 2" 600 ANSI RF 0.12" ORIFICE SIZE			1
8	-	102785	VALVE GLOBE NEWCO 2" 600 ANSI RF 26F-CB3-SP			1
9	-	102817	VALVE BALL JAG 2" 600 ANSI RF FB2-R20R06N			1
10	-	102957	CONTROL VALVE FISHER 667 ET 4" 600 ANSI RF SIZE 45 ACTUATOR NACE			1
11	SA-234-WPB	103054	REDUCER 4" x 2" CONCENTRIC SCH. XH/80 x 160 BW			1
12	SA-105	131991	1/2" CL 6000 THRD HEX PLUG			1
13	316 SS	171196	GASKET 4" RF SPIRALWOUND 600 ANSI			5
14	SA-106B	309511	PIPE 2" SCH. 160			1
15	ASTM-193	433978	B7M STUD 5/8" DIA. x 4 1/4" LG			48
16	SA-106B	479757	PIPE 4" SCH. XH/80		17"	1
17	SA-106B	479757	PIPE 4" SCH. XH/80		67/16"	1
18	SA-234-WPB	481602	ELBOW 4" LR 90 DEG SCH. XH/80			3
19	SA-105N	496338	FLANGE 4" RFWN SCH. XH/80 BORE 600 ANSI			4
20	SA-105N	668150	TEE 1/2" CL 6000 THRD			1
21	ASTM-A194	698353	2HM HEX NUT 5/8" DIA.			112
22	316 SS	777116	GASKET 2" RF SPIRALWOUND 600 ANSI			8
23	SA-234-WPB	786747	TEE STRAIGHT 4" SCH. XH/80 BW			1
24	ASTM-193	807942	B7M STUD 5/8" DIA. x 4 1/2" LG			8
25	SA-105N	835453	FLANGE 2" RFWN SCH. 160 BORE 600 ANSI			3
26	ASTM-193	848833	B7M STUD 7/8" DIA. x 5 3/4" LG			40
27	SA-106B	958013	NIPPLE 1/2" x 2 1/2" SCH. XXH			4
28	SA-105N	PLH.5HYEE	PLUG HEX 1/2" 6M THRD SA 105N			2
29	SA-105N	SWA.75.5YXXHEE	SWAGE 3/4" x 1/2" SCH. XXH THRD SA 105N			1
30	-	BUY	VALVE NEEDLE A/G 1/2" 6000 PSI FxH1VDS-4Q-SG			1

WELD DETAIL #4



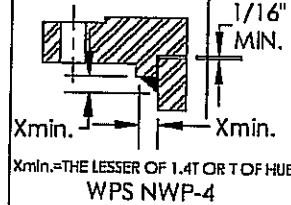
WPS NWP-4
(SMAW)

WELD DETAIL #2



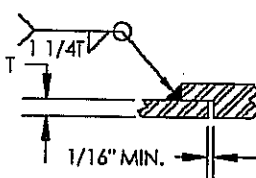
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(SMAW)

WELD DETAIL #8



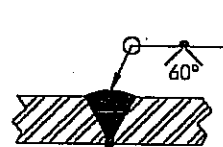
WPS NWP-4
(SMAW)

WELD DETAIL #5



WPS NWP-4
(SMAW)

WELD DETAIL #1



WPS NWP-4
(SMAW)

DESIGN DATA

LINE NUMBER:	PF-4\"/>
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FOR INFORMATION ONLY

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DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	DRAWING REVISIONS
08075-1	PIPING AND INSTRUMENTATION DIAGRAM	3	2011.08.03	JHK	GH	DF	RFDC #00566, REVISE P-130, REMOVE PCV-308
08075	GENERAL ARRANGEMENT	2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
		1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION

ISSUED FOR CONSTRUCTION

SIGNED: _____
DATE: _____
W.O.: 08075-005
S.O.: _____



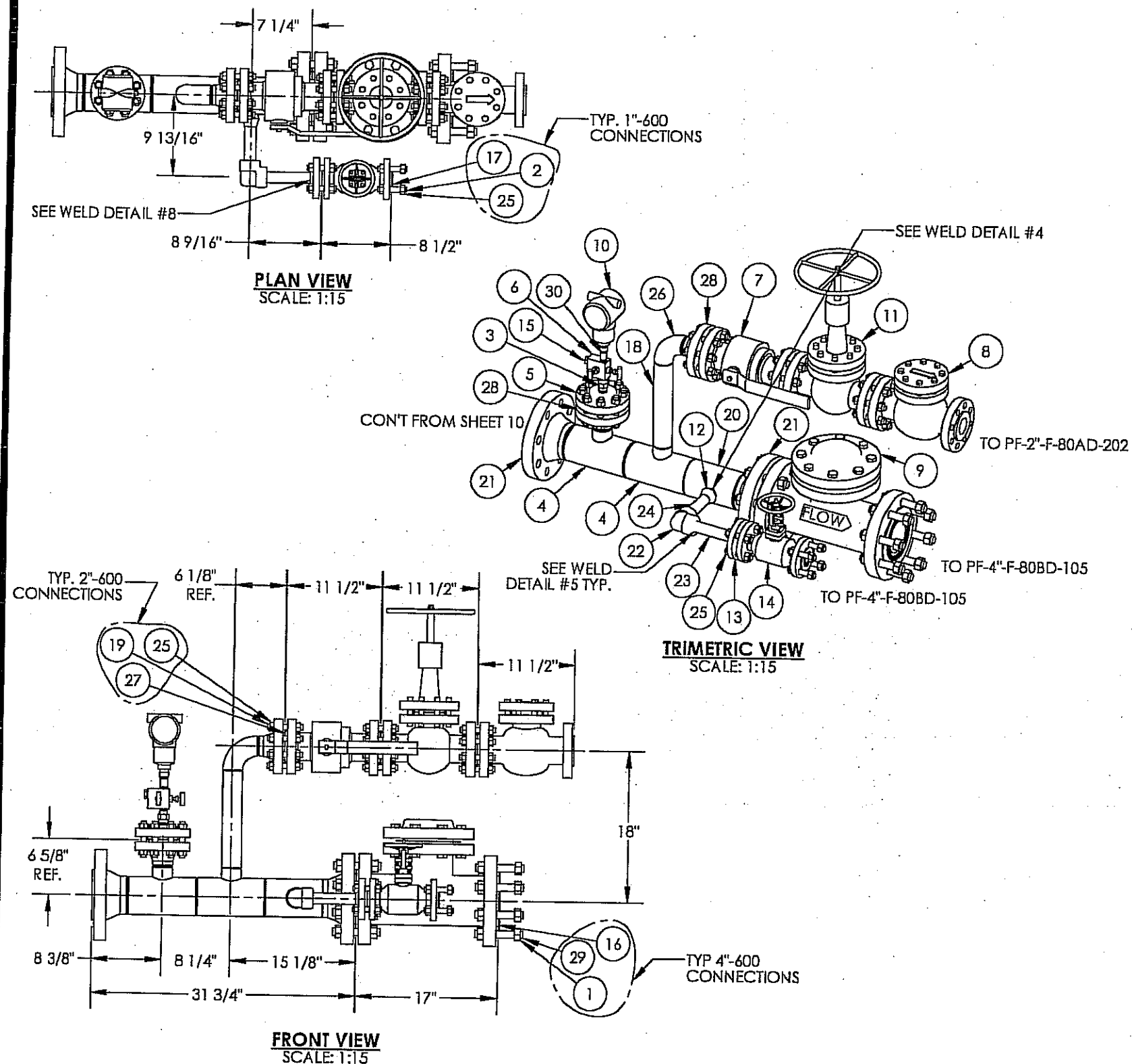
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ENCANA CORPORATION
DUAL SEPARATOR PACKAGE

36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY

DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:25	DWG: 08075-2	REV: 3
SHEET: 10 OF 24		



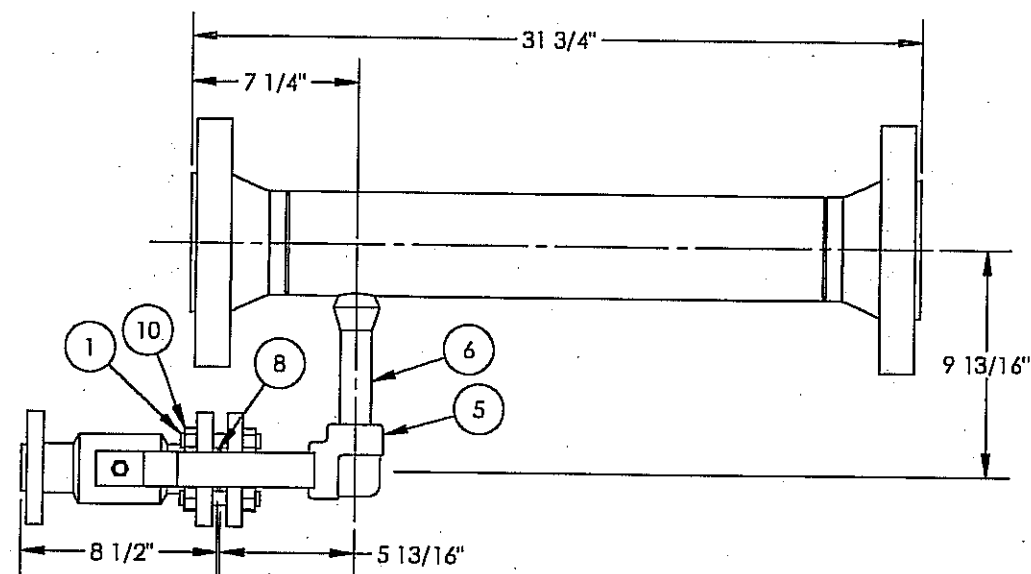
ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	ASTM-A194	053947	2HM HEX NUT 7/8" DIA.			32
2	ASTM-193	054020	B7M STUD 5/8" DIA. x 3 1/2" LG			8
3	SA-105	091903	3/4" x 1/2" SCH. XXH SWAGE			1
4	SA-234-WPB	100933	REDUCING TEE, 4"x4"x2" SCH.XH/80 x 160 3:1 TAPER BW			2
5	SA-105N	101831	FLANGE 2" 600 ANSI RF HUBBED BLIND TAPPED 3/4" NPT			1
6	316SS	101928	MANIFOLD 2 VALVE A/G, MONEL STEM, NACE			1
7	-	102817	VALVE BALL JAG 2" 600 ANSI RF RP FB2-R20R06N			1
8	-	102846	VALVE SWING CHECK WHEATLEY 2" 600 ANSI RF NACE 9D-510-025144-166			1
9	-	102847	VALVE WHEATLEY SWING CHECK 4" 600 ANSI RF WCC BODY NACE			1
10	-	102852	PRESSURE INDICATING TRANSMITTER ROSEMOUNT 3051TG4A2B21AB4C6M5			1
11	-	102857	VALVE GLOBE VELAN 2" 600 ANSI RF F082074B-26-NB			1
12	SA-105N	102921	WELDOLET 4" RUN PIPE x 1" 160 BW			1
13	SA-105N	102927	FLANGE 1" 600 ANSI RFSW SCH. 160 BORE			1
14	-	102950	VALVE GLOBE NAVCO 1" 600 ANSI RF FIG. GL-R10R06F1219			1
15	SA-105	131991	1/2" CL 6000 THRD HEX PLUG			1
16	316 SS	171196	GASKET 4" RF SPIRALWOUND 600 ANSI			2
17	316 SS	185222	GASKET 1" RF SPIRALWOUND 600 ANSI			2
18	SA-106B	309511	PIPE 2" SCH. 160		11 1/2"	1
19	ASTM-193	433978	B7M STUD 5/8" DIA. x 4 1/4" LG			32
20	SA-106B	479757	PIPE 4" SCH. XH/80		6 3/4"	1
21	SA-105N	496338	FLANGE 4" RFWN SCH. XH/80 BORE 600 ANSI			2
22	SA-105N	605785	90 DEG. ELBOW 1" FS 6000# SW			1
23	SA-106B	618134	PIPE 1" SCH. 160		6 7/16"	1
24	SA-106B	618134	PIPE 1" SCH. 160		4 3/4"	1
25	ASTM-A194	698353	2HM HEX NUT 5/8" DIA.			80
26	SA-234-WPB	756601	ELBOW 2" LR 90 DEG SCH. 160			1
27	316 SS	777116	GASKET 2" RF SPIRALWOUND 600 ANSI			4
28	SA-105N	835453	FLANGE 2" RFWN SCH. 160 BORE 600 ANSI			2
29	ASTM-193	848833	B7M STUD 7/8" DIA. x 5 3/4" LG			16
30	SA-106B	958013	NIPPLE 1/2" x 2 1/2" SCH XXH			1

ORIGINAL

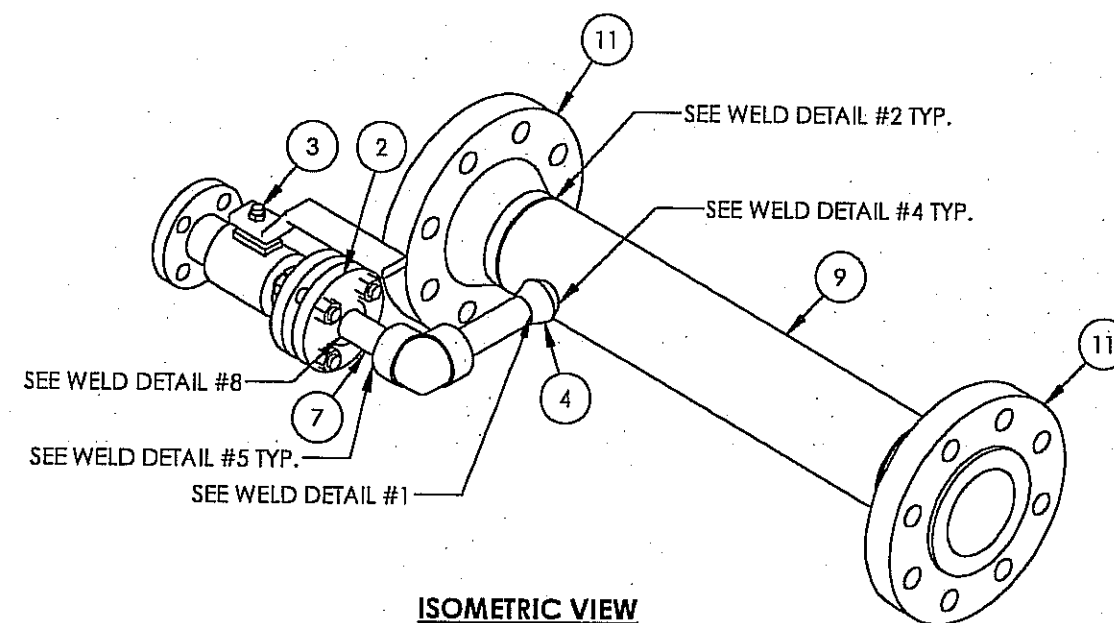
NOTES

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FOR INFORMATION ONLY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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PLAN VIEW
SCALE: 1:8

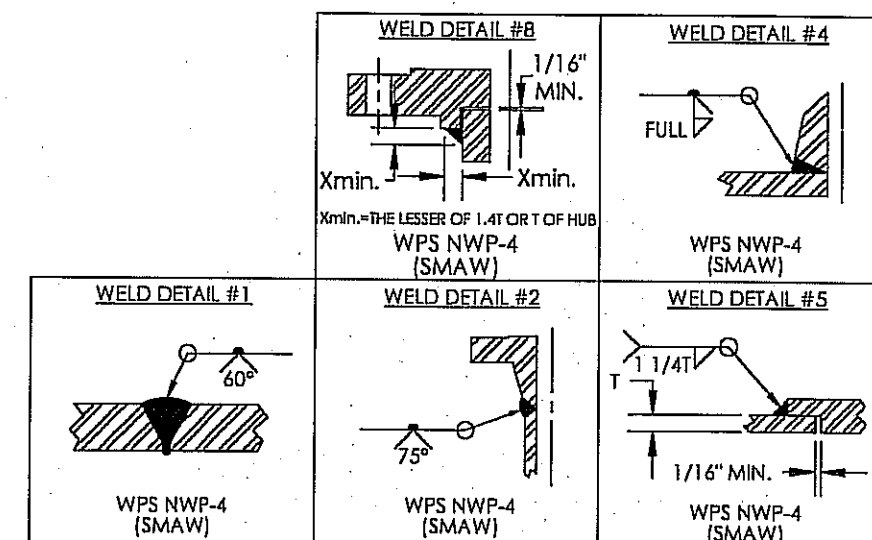


ISOMETRIC VIEW
SCALE: 1:8

NOTES

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4. MPI - 10% SW, MAX 200 BHN, 10% OF WELDS.

ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	ASTM-193	054020	B7M STUD 5/8" DIA. x 3 1/2" LG			4
2	SA350-LF2-CL1	102752	FLANGE 1" 600 ANSI RFSW SCH. 160 BORE			1
3	-	102856	VALVE BALL JAG 1" 600 ANSI RF FP T3F10R06N			1
4	SA350-LF2-CL1	102922	WELDOLET 4" RUN PIPE x 1" 160 BW			1
5	SA350-LF2-CL1	102923	90 DEG. ELBOW 1" FS 6000# SW			1
6	SA-333-6	102924	PIPE 1" SCH. 160 SMLS		4 3/4"	1
7	SA-333-6	102924	PIPE 1" SCH. 160 SMLS		3 11/16"	1
8	316 SS	185222	GASKET 1" RF SPIRAL WOUND 600 ANSI			1
9	SA-333-6	250207	PIPE 4" SCH. XH/80 SMLS		.23 1/4"	1
10	ASTM-A194	698353	2HM HEX NUT 5/8" DIA.		-	8
11	SA350-LF2-CL1	911016	FLANGE 4" SCH XH/80 600 ANSI RF			2



DESIGN DATA

LINE NUMBER:	PF-4"-F-80BD-105
CLIENT SPECIFICATION:	ENCANA DSC
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	1480 PSI
MAXIMUM DESIGN TEMPERATURE:	100°F
MINIMUM DESIGN TEMPERATURE:	-49°F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	2220 PSI
RADIOGRAPHY:	100% BW, 10% SW FOR GAP
OTHER NDE:	10% HARDNESS, NOTE 4
POST WELD HEAT TREATMENT:	1150°F $\pm$ 50°F FOR 1 HOUR MIN.
CORROSION ALLOWANCE:	1/8"
Q.C. PROGRAM NO.:	AQP-1253
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2

ORIGINAL

FOR INFORMATION ONLY

QC Copy

DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	REFERENCE DRAWINGS
08075-1	PIPING AND INSTRUMENTATION DIAGRAM	3	2011.08.03	JHK	GH	DF	RFDC #00546, REVISE P-130, REMOVE PCV-308
08075	GENERAL ARRANGEMENT	2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
		1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION

ISSUED FOR CONSTRUCTION

SIGNED: _____
 DATE: _____
 W.O.: 08075-005
 S.O.: _____
 ALL DIMENSIONS IN INCHES



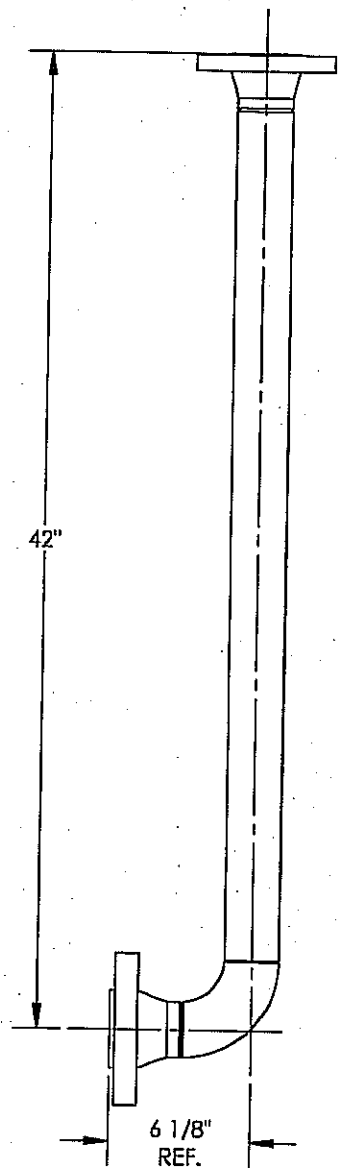
P.O. BOX 6280, INNISFAIL, AB T4G 1S9
 PH: (403) 227-4100 FAX: (403) 227-4102

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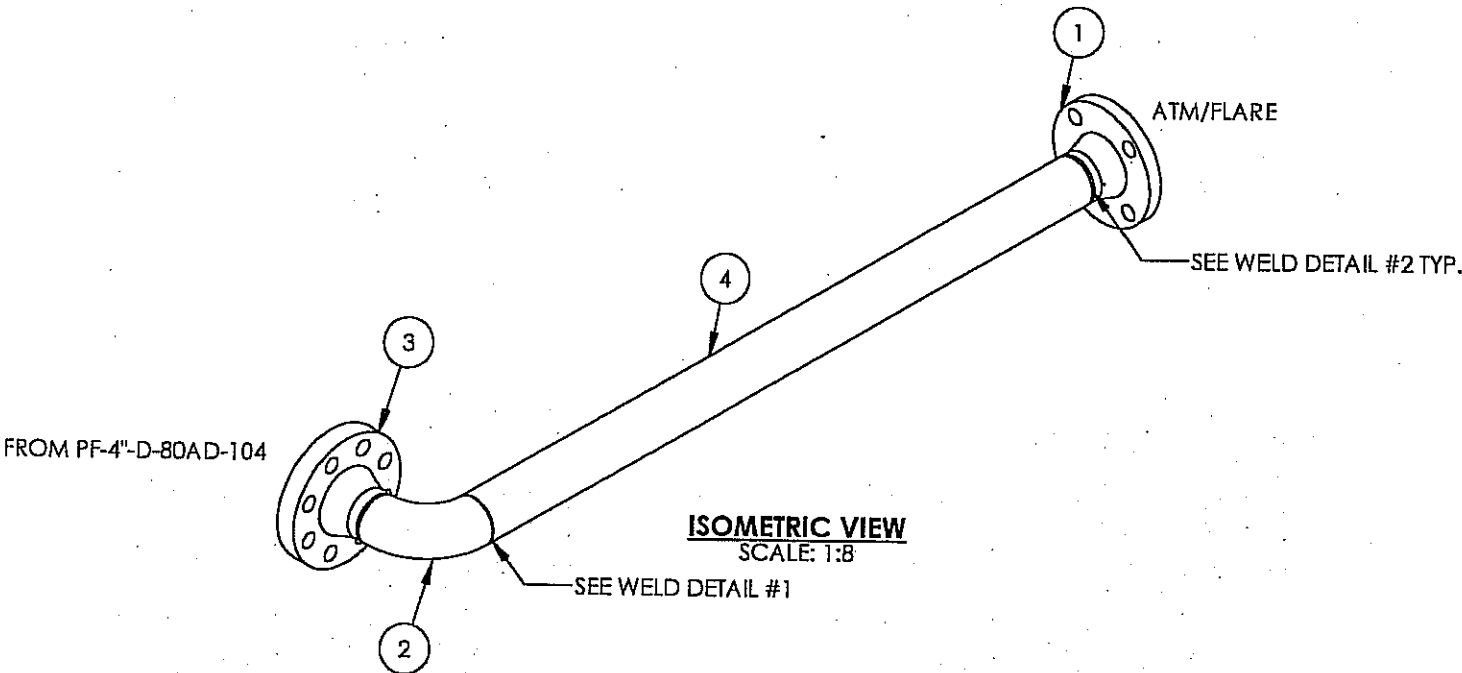
ENCANA CORPORATION
DUAL SEPARATOR PACKAGE
 36" OD x 90" S/S 2219 MAWP SEPARATOR
 24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY

DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:8	DWG: 08075-2	REV: 3
SHEET: 12 OF 24		

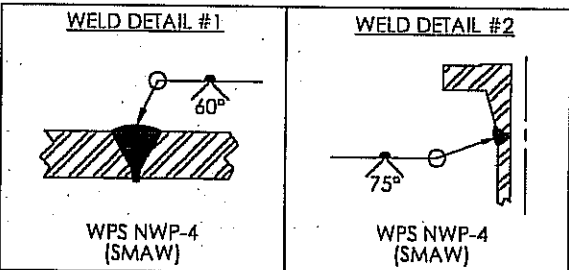
ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	SA350-LF2-CL1	100270	FLANGE 2" RFWN XH 150 ANSI			1
2	SA-420-WPL6	100542	ELBOW 90 DEG LR, 2" SCH XH BW			1
3	SA350-LF2-CL1	102759	FLANGE 2" SCH XH/80 600 ANSI RF			1
4	SA-333-6	820011	PIPE 2" SCH. XH/80 SMLS		36 1/2"	1



PLAN VIEW
SCALE: 1:8



- NOTES**
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DESIGN DATA	
LINE NUMBER:	PR-2"-D-80BD-253
CLIENT SPECIFICATION:	ENCANA ASC
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	285 PSI
MAXIMUM DESIGN TEMPERATURE:	100 °F
MINIMUM DESIGN TEMPERATURE:	-49 °F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	427 PSI
RADIOGRAPHY:	100% BW
OTHER NDE:	10% HARDNESS, 200 HB MAX.
POST WELD HEAT TREATMENT:	1150 °F $\pm$ 50 °F FOR 1 HOUR MIN.
CORROSION ALLOWANCE:	1/8"
Q.C. PROGRAM NO.:	AQP-1253
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2

FOR INFORMATION ONLY							
QC Copy		3	2011.08.03	JHK	SA	2	RFDC #00566, REVISE P-130, REMOVE PCV-308
08075-1	PIPING AND INSTRUMENTATION DIAGRAM	2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
08075	GENERAL ARRANGEMENT	1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
DOCUMENT NO.	DESCRIPTION	0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION
		REV	DATE	BY	CHK	APP	
REFERENCE DRAWINGS		DRAWING REVISIONS					

ISSUED FOR
CONSTRUCTION

SIGNED: _____
DATE: _____
W.O.: 08075-005
S.O.: _____
ALL DIMENSIONS IN INCHES

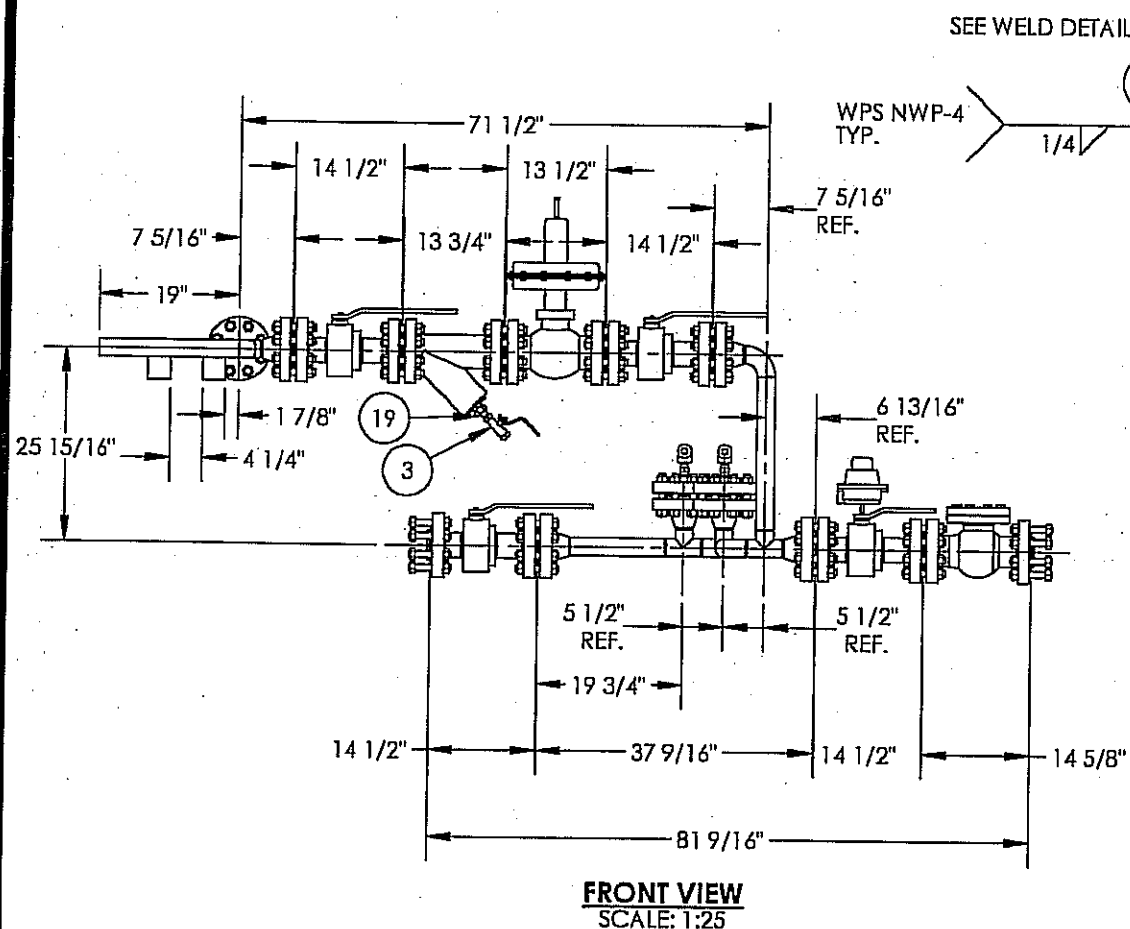
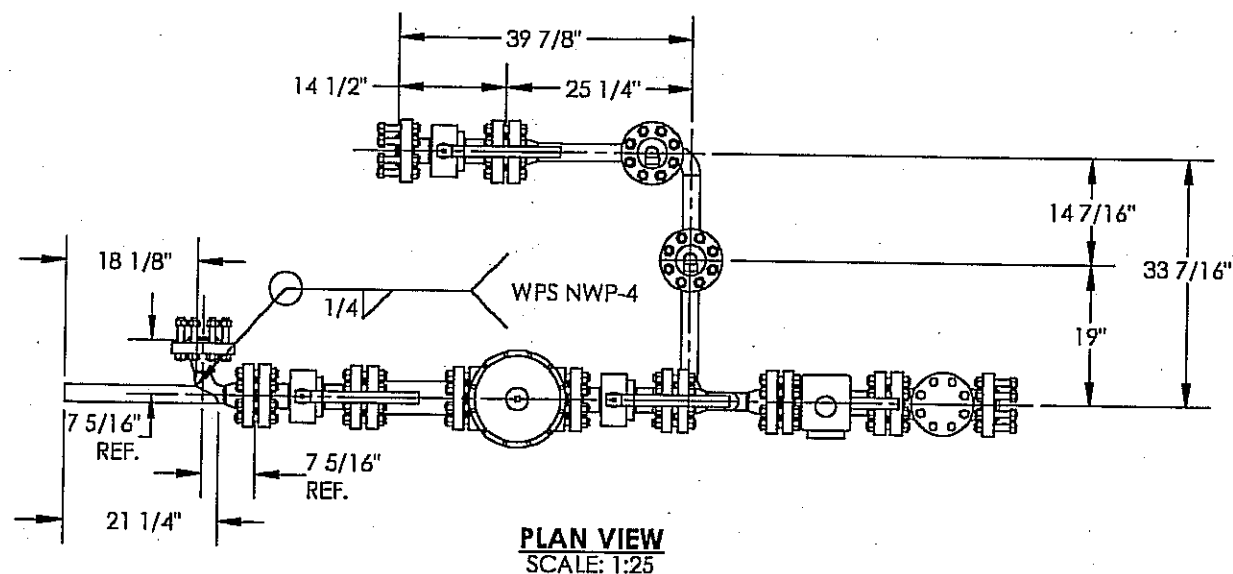


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ENCANA CORPORATION
DUAL SEPARATOR PACKAGE
36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY

DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:8	DWG: 08075-2	REV: 3
SHEET: 13 OF 24		



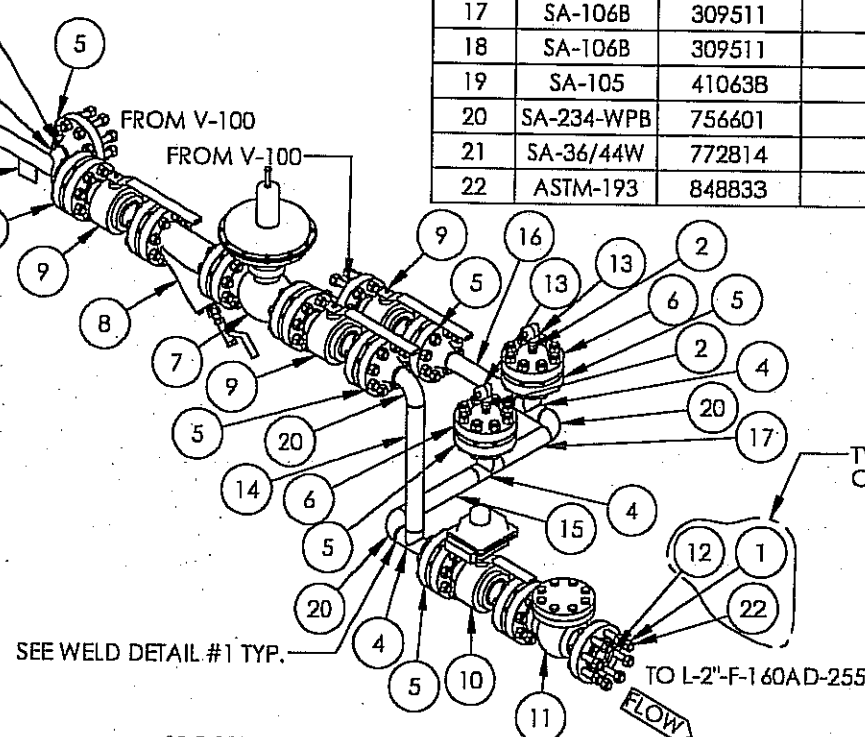
SEE WELD DETAIL #2 TYP.

WPS NWP-4
TYP.

7 5/16"
REF.

6 13/16"
REF.

FRONT VIEW
SCALE: 1:25



SEE WELD DETAIL #1 TYP.

ISOMETRIC VIEW
SCALE: 1:25

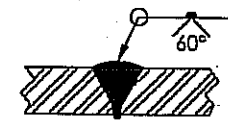
ORIGINAL

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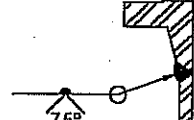
ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	ASTM-A194	053947	2HM HEX NUT 7/8" DIA.			208
2	SA-105	091903	3/4" x 1/2" SCH. XXH SWAGE			2
3	-	100365	1/2" 3000 PSI NUTRON T3 NACE TRIM FP BALL VALVE			1
4	SA-234-WPB	101814	TEE STRAIGHT 2" SCH 160 BW			3
5	SA-105N	102215	FLANGE 2" RTJWN SCH. 160 900 ANSI			7
6	SA-105N	102500	FLANGE 2" RTJ HUBBED 900 ANSI TAPPED 3/4" NPT			2
7	-	102683	CONTROL VALVE, FISHER D4 FC 2" 900/1500 ANSI RTJ NACE 1/2" TRIM c/w IPC 3000 COATING			1
8	-	102790	Y-STRAINER 2" 900/1500 ANSI RTJ YF1500N c/w ELECTROLESS NICKEL COATING			1
9	-	102810	VALVE BALL JAG 2" 1500 ANSI RTJ RP FB2-R20J15L			3
10	-	102813	VALVE BALL JAG 2" 1500 ANSI RTJ FB2-R20J15L w/ TOPWORX LIMIT SWITCH DXP-L21GNEB			1
11	-	102844	VALVE SWING CHECK WHEATLEY 2" 1500 ANSI RTJ FP NACE w/ IPC 3000 COATING			1
12	MS	102867	RING GASKET R24			13
13	SA-105N	248832	ELBOW 1/2" CL 6000 THRD			2
14	SA-106B	309511	PIPE 2" SCH. 160		20 7/16"	1
15	SA-106B	309511	PIPE 2" SCH. 160		13 1/2"	1
16	SA-106B	309511	PIPE 2" SCH. 160		12 15/16"	1
17	SA-106B	309511	PIPE 2" SCH. 160		8 15/16"	1
18	SA-106B	309511	PIPE 2" SCH. 160			1
19	SA-105	410638	1" x 1/2" SCH. XXH SWAGE			1
20	SA-234-WPB	756601	ELBOW 2" LR 90 DEG SCH. 160			4
21	SA-36/44W	772814	FLAT BAR 1/4" x 3"		3"	2
22	ASTM-193	848833	B7M STUD 7/8" DIA. x 5 3/4" LG			104

WELD DETAIL #1



WPS NWP-4
(SMAW)

WELD DETAIL #2



WPS NWP-4
(SMAW)

DESIGN DATA

LINE NUMBER:	L-2"-G-160AD-258
CLIENT SPECIFICATION:	ENCANA ES
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	2220 PSI
MAXIMUM DESIGN TEMPERATURE:	100°F
MINIMUM DESIGN TEMPERATURE:	-20°F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	3330 PSI
RADIOGRAPHY:	100% BW
OTHER NDE:	10% HARDNESS, 200 HB MAX.
POST WELD HEAT TREATMENT:	1150°F ± 50°F FOR 1 HOUR MIN.
CORROSION ALLOWANCE:	1/8"
Q.C. PROGRAM NO.:	AQP-1253
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2

FOR INFORMATION ONLY

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DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	DRAWING REVISIONS
08075-1	PIPING AND INSTRUMENTATION DIAGRAM	3	2011.08.03	JHK	GH	DF	RFDC #00566, REVISE P-130, REMOVE PCV-308
08075	GENERAL ARRANGEMENT	2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
		1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION

ISSUED FOR CONSTRUCTION

SIGNED: _____

DATE: _____

W.O.: 08075-005

S.O.: _____

ALL DIMENSIONS IN INCHES



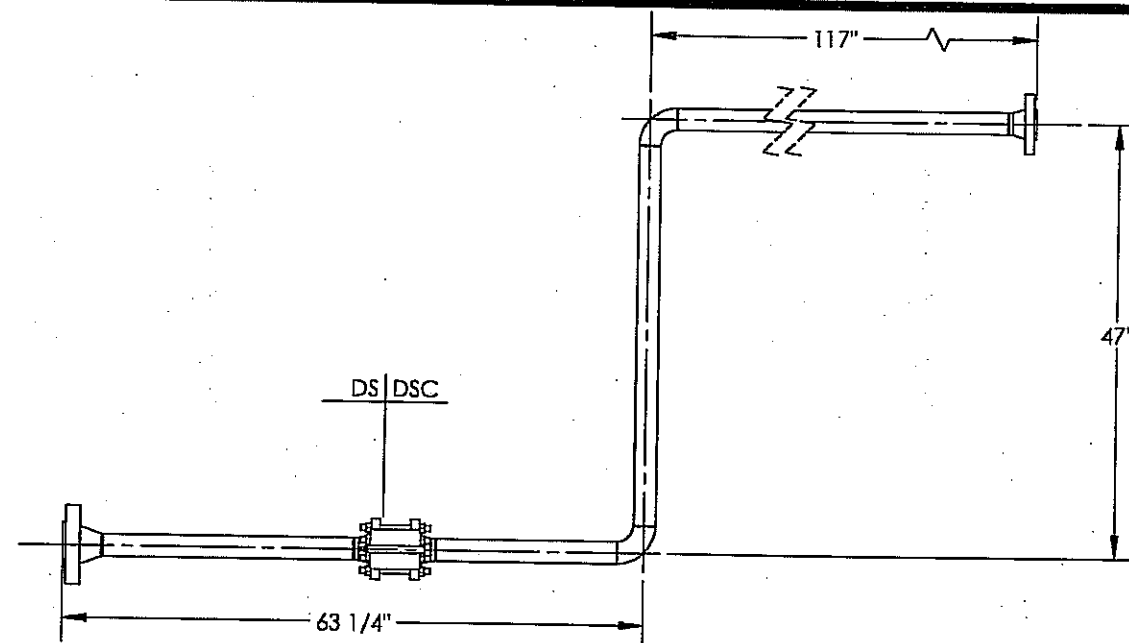
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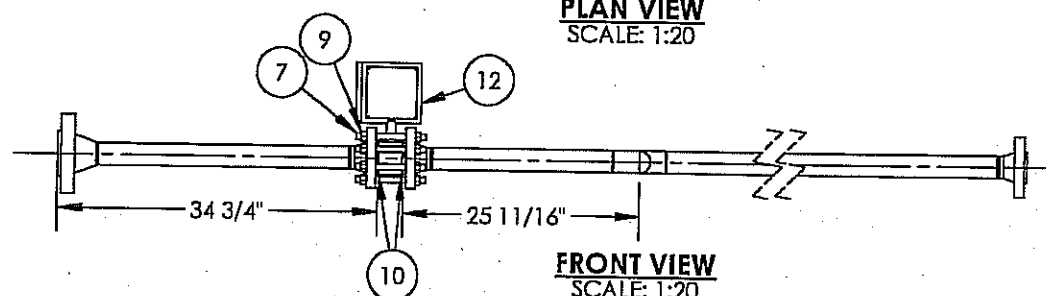
ENCANA CORPORATION DUAL SEPARATOR PACKAGE

36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY

DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:25	DWG: 08075-2	REV: 3
SHEET: 14 OF 24		

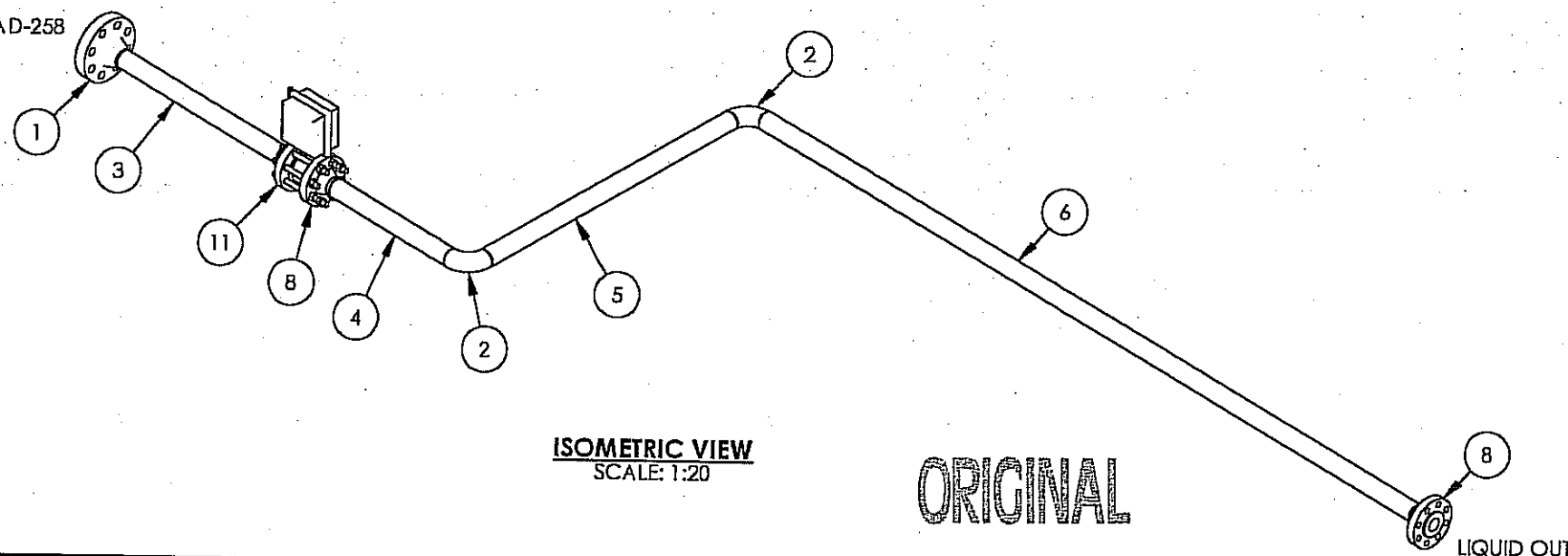


PLAN VIEW
SCALE: 1:20



FRONT VIEW
SCALE: 1:20

FROM L-2"-G-160AD-258



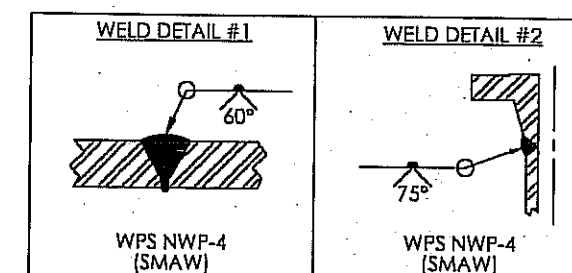
ISOMETRIC VIEW
SCALE: 1:20

ORIGINAL

ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	SA-105N	102215	FLANGE 2" RTJWN SCH. 160 900 ANSI			1
2	SA-420-WPL6	249055	ELBOW 90 DEG LR, 2" SCH 160			2
3	SA-106B	309511	PIPE 2" SCH. 160		27 5/16"	1
4	SA-333-6	364441	PIPE 2" SCH. 160 SMLS		19 9/16"	1
5	SA-333-6	364441	PIPE 2" SCH. 160 SMLS		41"	1
6	SA-333-6	364441	PIPE 2" SCH. 160 SMLS		110 7/8"	1
7	ASTM-193	614007	B7M STUD 5/8" DIA. x 7 1/2" LG			8
8	SA350-LF2-CL1	658705	FLANGE 2" SCH 160 600 ANSI RF			2
9	ASTM-A194	698353	2HM HEX NUT 5/8" DIA.			16
10	316 SS	777116	GASKET 2" RF SPIRALWOUND 600 ANSI			2
11	SA-105N	835453	FLANGE 2" RFWN SCH. 160 BORE 600 ANSI			1
12	-	BUY	TURBINE METER NUFLO 2"x2" EZ-IN SERIES BF w/ NUFLO MC-III ANALYZER			1

NOTES

1. ALL DIMENSIONS SHALL HAVE A TOLERANCE OF $\pm 1/8"$ UNLESS OTHERWISE SPECIFIED.
2. ALL BOLT HOLES STRADDLE COMMON CENTER LINE.
3. CUT LENGTHS FOR PIPE ARE FOR REFERENCE ONLY. SHOP TO ADJUST PIPE LENGTHS AS REQUIRED.



DESIGN DATA	
LINE NUMBER:	L-2"-F-160AD-255
CLIENT SPECIFICATION:	ENCANA DS/DSC
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	1480 PSI
MAXIMUM DESIGN TEMPERATURE:	100 °F
MINIMUM DESIGN TEMPERATURE:	-20 °F/-49 °F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	2220 PSI
RADIOGRAPHY:	100% BW
OTHER NDE:	10% HARDNESS, 200 HB MAX.
POST WELD HEAT TREATMENT:	1150 °F $\pm$ 50 °F FOR 1 HOUR MIN.
CORROSION ALLOWANCE:	1/8"
Q.C. PROGRAM NO.:	AQP-1253
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2

FOR INFORMATION ONLY

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DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	DRAWING REVISIONS
08075-1	PIPING AND INSTRUMENTATION DIAGRAM	3	2011.08.03	JHK	GH	DF	RFDC #00566, REVISE P-130, REMOVE PCV-308
		2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
08075	GENERAL ARRANGEMENT	1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION

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CONSTRUCTION

SIGNED: _____

DATE: _____

W.O.: 08075-005

S.O.: _____

ALL DIMENSIONS IN INCHES

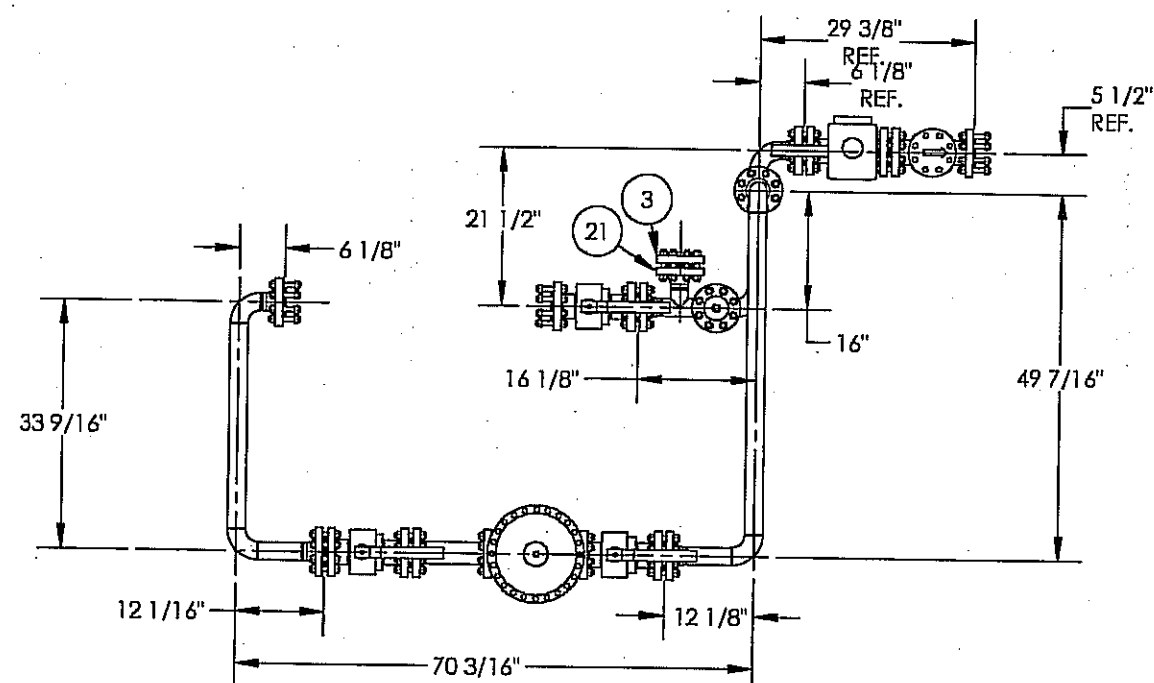


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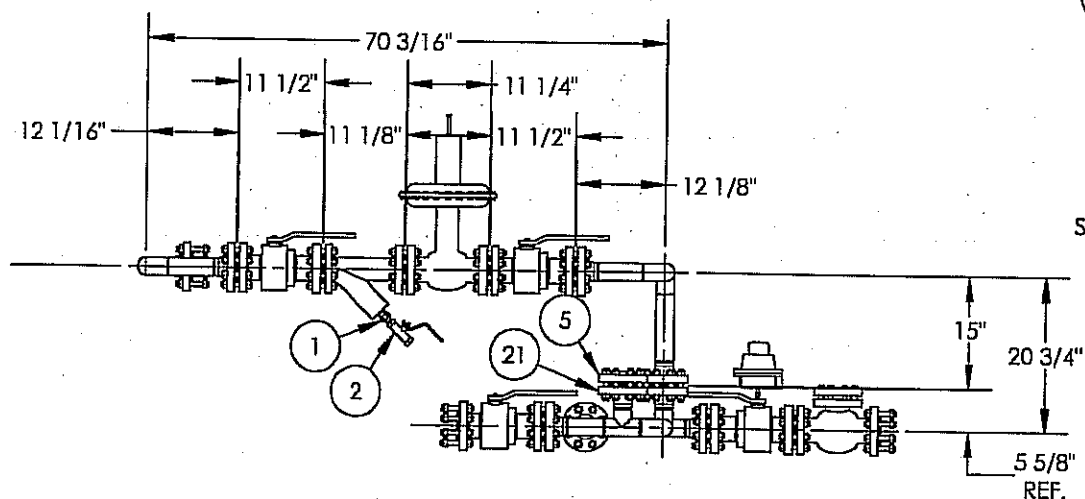
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ENCANA CORPORATION
DUAL SEPARATOR PACKAGE
36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY

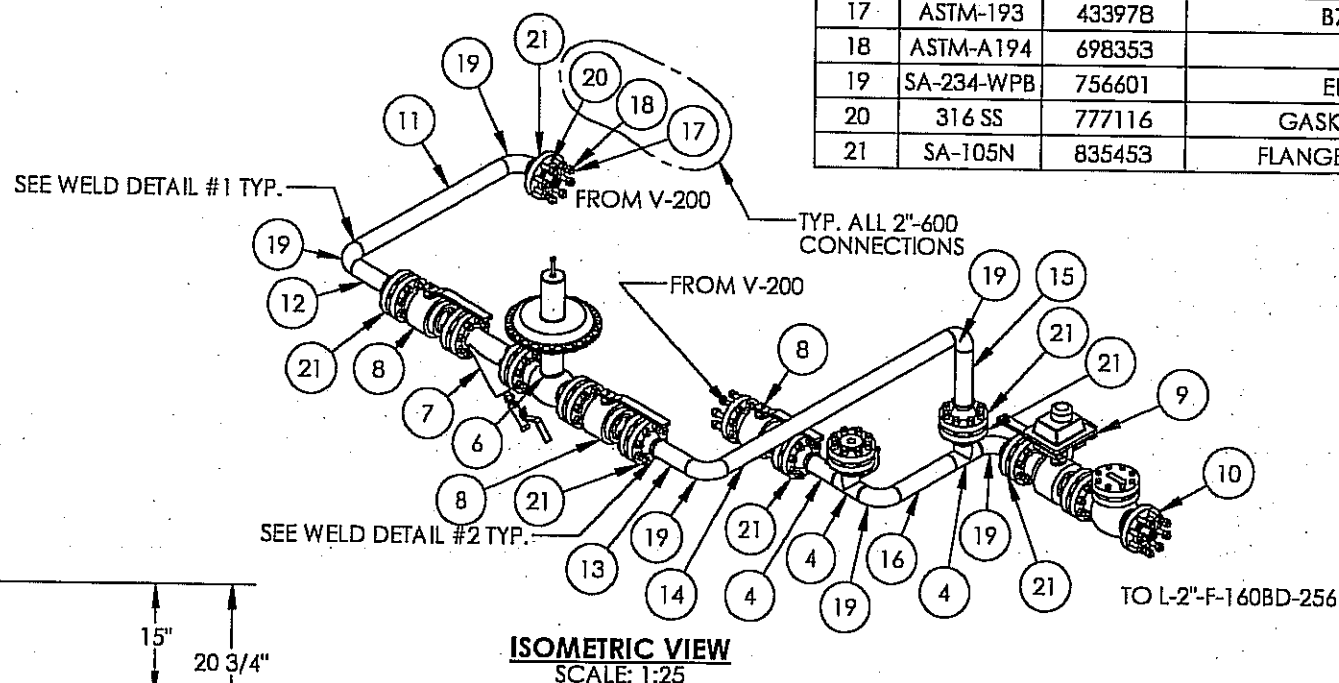
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DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:20	DWG: 08075-2	REV: 3
SHEET: 15 OF 24		



PLAN VIEW
SCALE: 1:25



FRONT VIEW
SCALE: 1:25



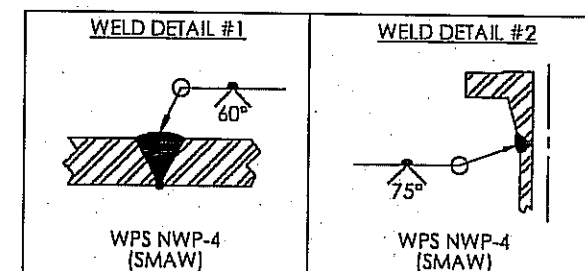
ISOMETRIC VIEW
SCALE: 1:25

ORIGINAL

NOTES

1. ALL DIMENSIONS SHALL HAVE A TOLERANCE OF $\pm 1/8$ " UNLESS OTHERWISE SPECIFIED.
2. ALL BOLT HOLES STRADDLE COMMON CENTER LINE.
3. CUT LENGTHS FOR PIPE ARE FOR REFERENCE ONLY. SHOP TO ADJUST PIPE LENGTHS AS REQUIRED.

ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	SA-105	091903	3/4" x 1/2" SCH. XXH SWAGE			1
2	-	100365	1/2" 3000 PSI NUTRON T3 NACE TRIM FP BALL VALVE			1
3	SA-105N	101474	FLANGE 2" 600 ANSI RF HUBBED BLIND TAPPED 1/2" NPT			1
4	SA-234-WPB	101814	TEE STRAIGHT 2" SCH 160 BW			3
5	SA-105N	101831	FLANGE 2" 600 ANSI RF HUBBED BLIND TAPPED 3/4" NPT			1
6	-	102684	CONTROL VALVE FISHER MODEL D4 2" 600 ANSI RF FC NACE 3/8" TRIM c/w IPC 3000 COATING			1
7	-	102789	Y-STRAINER 2" 600 ANSI RF YF600N c/w ELECTROLESS NICKLE COATING			1
8	-	102811	VALVE BALL JAG 2" 600 ANSI RF RP FB2-R20R06N			3
9	-	102814	VALVE BALL JAG 2" 600 ANSI RF FB2-R20R06N w/ TOPWORX LIMIT SWITCH DXP-L21GNER			1
10	-	102845	VALVE SWING CHECK WHEATLEY 2" 600 ANSI RF NACE 9D-510-025144-166 w/ IPC COATING			1
11	SA-106B	309511	PIPE 2" SCH. 160		27 9/16"	1
12	SA-106B	309511	PIPE 2" SCH. 160		5 15/16"	1
13	SA-106B	309511	PIPE 2" SCH. 160		6"	1
14	SA-106B	309511	PIPE 2" SCH. 160		43 7/16"	1
15	SA-106B	309511	PIPE 2" SCH. 160		8 7/8"	1
16	SA-106B	309511	PIPE 2" SCH. 160		10 1/2"	1
17	ASTM-193	433978	B7M STUD 5/8" DIA. x 4 1/4" LG		-	112
18	ASTM-A194	698353	2HM HEX NUT 5/8" DIA.		-	224
19	SA-234-WPB	756601	ELBOW 2" LR 90 DEG SCH. 160			6
20	316 SS	777116	GASKET 2" RF SPIRALWOUND 600 ANSI			14
21	SA-105N	835453	FLANGE 2" RFWN SCH. 160 BORE 600 ANSI			9



DESIGN DATA	
LINE NUMBER:	L-2"-F-160AD-260
CLIENT SPECIFICATION:	ENCANA DS
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	1480 PSI
MAXIMUM DESIGN TEMPERATURE:	100 °F
MINIMUM DESIGN TEMPERATURE:	-20 °F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	2220 PSI
RADIOGRAPHY:	100% BW
OTHER NDE:	10% HARDNESS, 200 HB MAX.
POST WELD HEAT TREATMENT:	1150 °F $\pm$ 50 °F FOR 1 HOUR MIN.
CORROSION ALLOWANCE:	1/8"
Q.C. PROGRAM NO.:	AQP-1253
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2

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DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	DRAWING REVISIONS
08075-1	PIPING AND INSTRUMENTATION DIAGRAM	3	2011.08.03	JHK	GH	DF	RFDC #00566, REVISE P-130, REMOVE PCV-308
		2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
08075	GENERAL ARRANGEMENT	1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION

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CONSTRUCTION

SIGNED: _____

DATE: _____

W.O. 08075-005

S.O.: _____

ALL DIMENSIONS IN INCHES

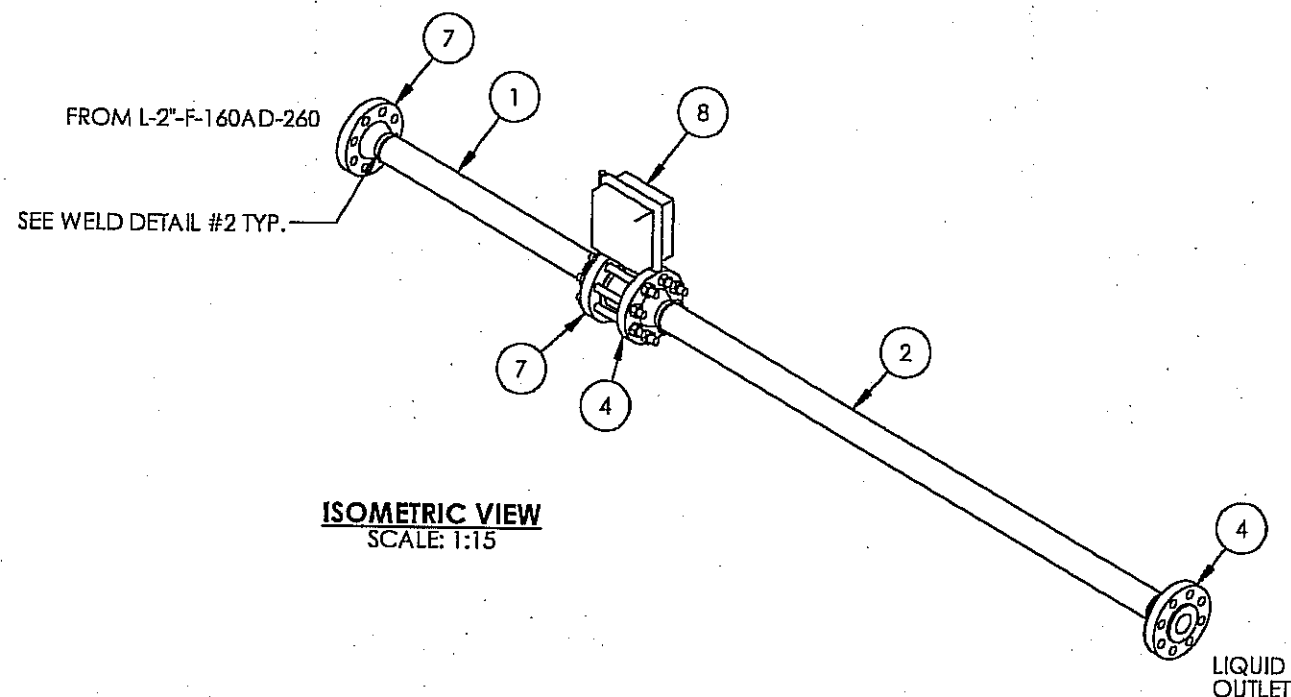


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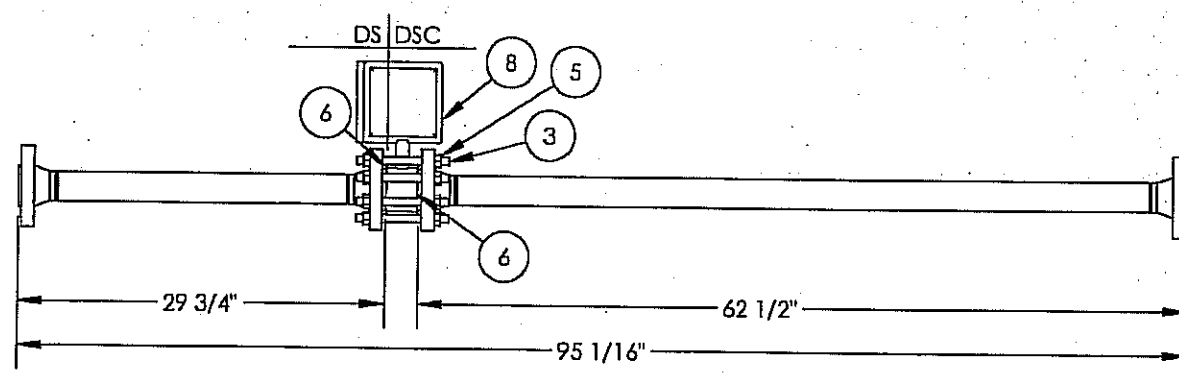
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ENCANA CORPORATION
DUAL SEPARATOR PACKAGE
36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY

DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:25	DWG: 08075-2	REV: 3
SHEET: 16 OF 24		



ISOMETRIC VIEW
SCALE: 1:15



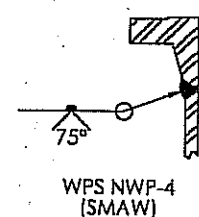
FRONT VIEW
SCALE: 1:15

ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	SA-106B	309511	PIPE 2" SCH. 160		23 1/2"	1
2	SA-333-6	364441	PIPE 2" SCH. 160 SMLS		56 1/4"	1
3	ASTM-193	614007	B7M STUD 5/8" DIA. x 7 1/2" LG			8
4	SA350-LF2-CL1	658705	FLANGE 2" SCH 160 600 ANSI RF			2
5	ASTM-A194	698353	2HM HEX NUT 5/8" DIA.			16
6	316 SS	777116	GASKET 2" RF SPIRALWOUND 600 ANSI			2
7	SA-105N	835453	FLANGE 2" RFWN SCH. 160 BORE 600 ANSI			2
8	-	BUY	TURBINE METER NUFLO 1/2"x2" EZ-IN BF SERIES w/ NUFLO MC-III ANALYZER			1

NOTES

1. ALL DIMENSIONS SHALL HAVE A TOLERANCE OF $\pm 1/8"$ UNLESS OTHERWISE SPECIFIED.
2. ALL BOLT HOLES STRADDLE COMMON CENTER LINE.
3. CUT LENGTHS FOR PIPE ARE FOR REFERENCE ONLY. SHOP TO ADJUST PIPE LENGTHS AS REQUIRED.

WELD DETAIL #2



DESIGN DATA

LINE NUMBER:	L-2"-F-160BD-256
CLIENT SPECIFICATION:	ENCANA DS/DSC
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	1480 PSI
MAXIMUM DESIGN TEMPERATURE:	100 °F
MINIMUM DESIGN TEMPERATURE:	-20 °F/-49 °F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	2220 PSI
RADIOGRAPHY:	100% BW
OTHER NDE:	10% HARDNESS, 200 HB MAX.
POST WELD HEAT TREATMENT:	1150 °F $\pm$ 50 °F FOR 1 HOUR MIN.
CORROSION ALLOWANCE:	1/8"
Q.C. PROGRAM NO.:	AQP-1253
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2

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DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	REFERENCE DRAWINGS
08075-1	PIPING AND INSTRUMENTATION DIAGRAM	3	2011.08.03	JHK	GH	DF	RFDC #00566, REVISE P-130, REMOVE PCV-308
		2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
08075	GENERAL ARRANGEMENT	1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION

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CONSTRUCTION

SIGNED: _____

DATE: _____

w.o.: 08075-005

S.O.: _____

ALL DIMENSIONS IN INCHES



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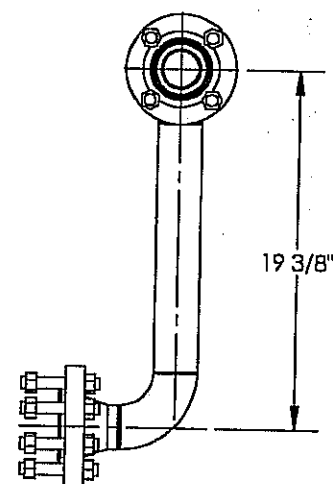
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ENCANA CORPORATION
DUAL SEPARATOR PACKAGE

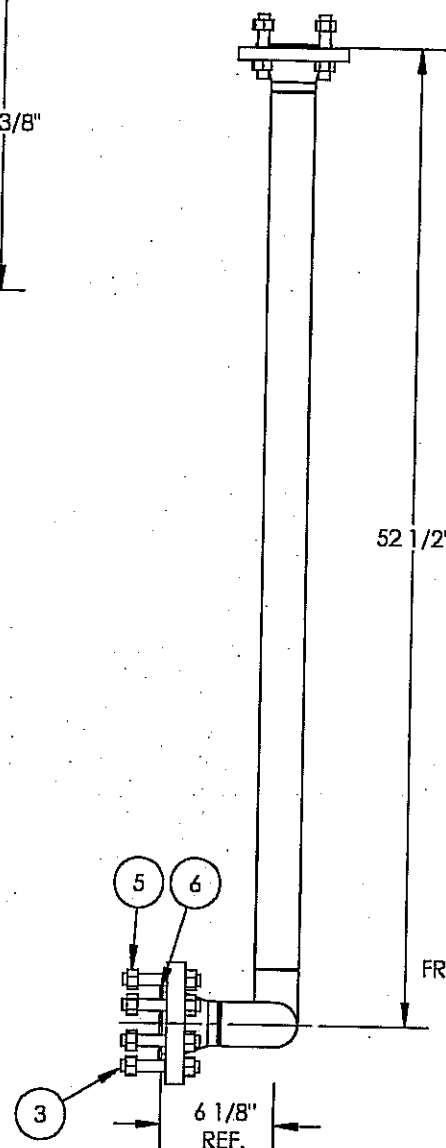
36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR

PIPING ASSEMBLY

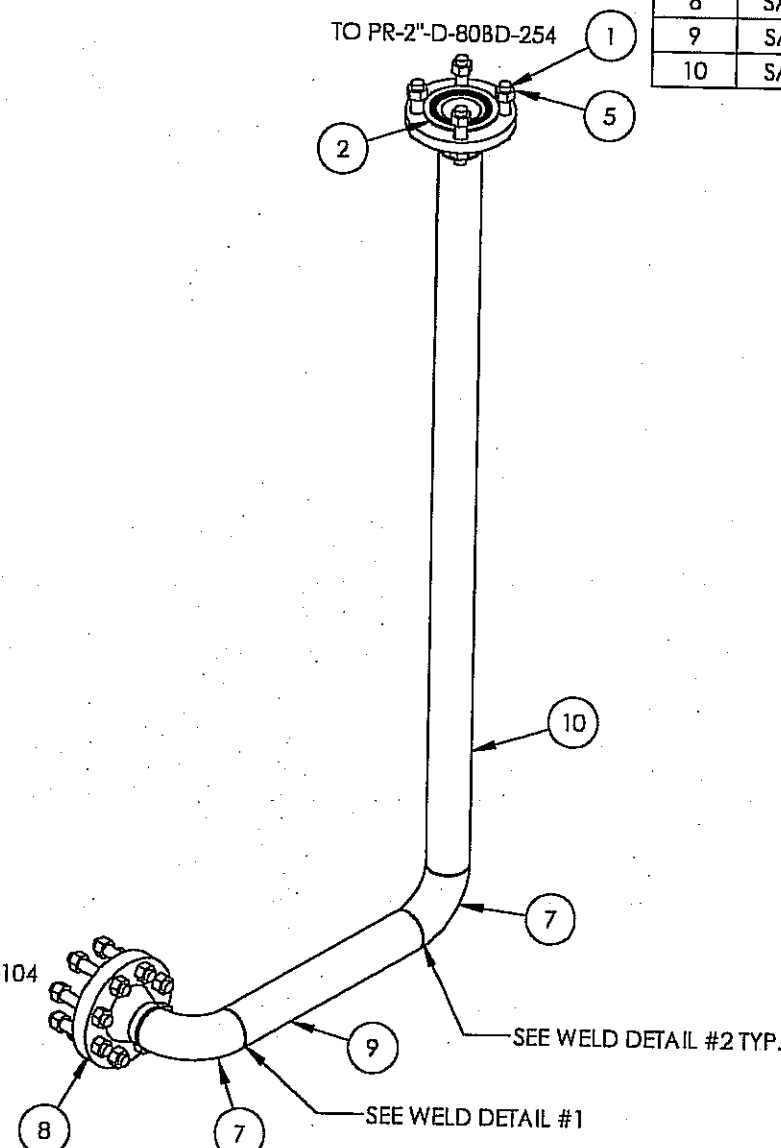
DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:15	DWG: 08075-2	REV: 3
SHEET: 17 OF 24		



PLAN VIEW
SCALE: 1:10



FRONT VIEW
SCALE: 1:10

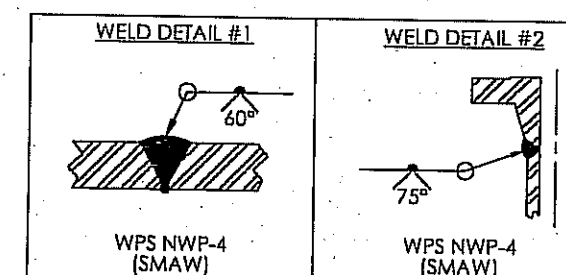


ISOMETRIC VIEW
SCALE: 1:10

ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	ASTM-193	054020	B7M STUD 5/8" DIA. x 3 1/2" LG			4
2	316SS	263242	GASKET 2" 150 ANSI RF SPIRALWOUND			1
3	ASTM-193	433978	B7M STUD 5/8" DIA. x 4 1/4" LG			8
4	SA-105N	589146	FLANGE 2" 150 ANSI RFWN SCH. XH/80 BORE			1
5	ASTM-A194	698353	2HM HEX NUT 5/8" DIA.			24
6	316 SS	777116	GASKET 2" RF SPIRALWOUND 600 ANSI			1
7	SA-234-WPB	788683	ELBOW 2" LR 90 DEG SCH. XH/80			2
8	SA-105N	871443	FLANGE 2" RFWN SCH. XH/80 BORE 600 ANSI			1
9	SA-106B	925711	PIPE 2" SCH. XH/80		13 3/8"	1
10	SA-106B	925711	PIPE 2" SCH. XH/80		47"	1

NOTES

1. ALL DIMENSIONS SHALL HAVE A TOLERANCE OF $\pm 1/8"$ UNLESS OTHERWISE SPECIFIED.
2. ALL BOLT HOLES STRADDLE COMMON CENTER LINE.
3. CUT LENGTHS FOR PIPE ARE FOR REFERENCE ONLY. SHOP TO ADJUST PIPE LENGTHS AS REQUIRED.



DESIGN DATA	
LINE NUMBER:	PF-2"-F-80AD-202
CLIENT SPECIFICATION:	ENCANA AS
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	285 PSI
MAXIMUM DESIGN TEMPERATURE:	100 °F
MINIMUM DESIGN TEMPERATURE:	-20 °F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	427 PSI
RADIOGRAPHY:	100% BW
OTHER NDE:	10% HARDNESS, 200 HB MAX.
POST WELD HEAT TREATMENT:	1150 °F $\pm$ 50 °F FOR 1 HOUR MIN.
CORROSION ALLOWANCE:	1/8"
Q.C. PROGRAM NO.:	AQP-1253
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2

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REFERENCE DRAWINGS		DRAWING REVISIONS					
DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	
08075-1 PIPING AND INSTRUMENTATION DIAGRAM 08075 GENERAL ARRANGEMENT		3	2011.08.03	JHK	GH	DF	RFDC #00566, REVISE P-130, REMOVE PCV-308
		2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
		1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION

ISSUED FOR CONSTRUCTION

SIGNED: _____
DATE: _____
W.O.: 08075-005
S.O.: _____

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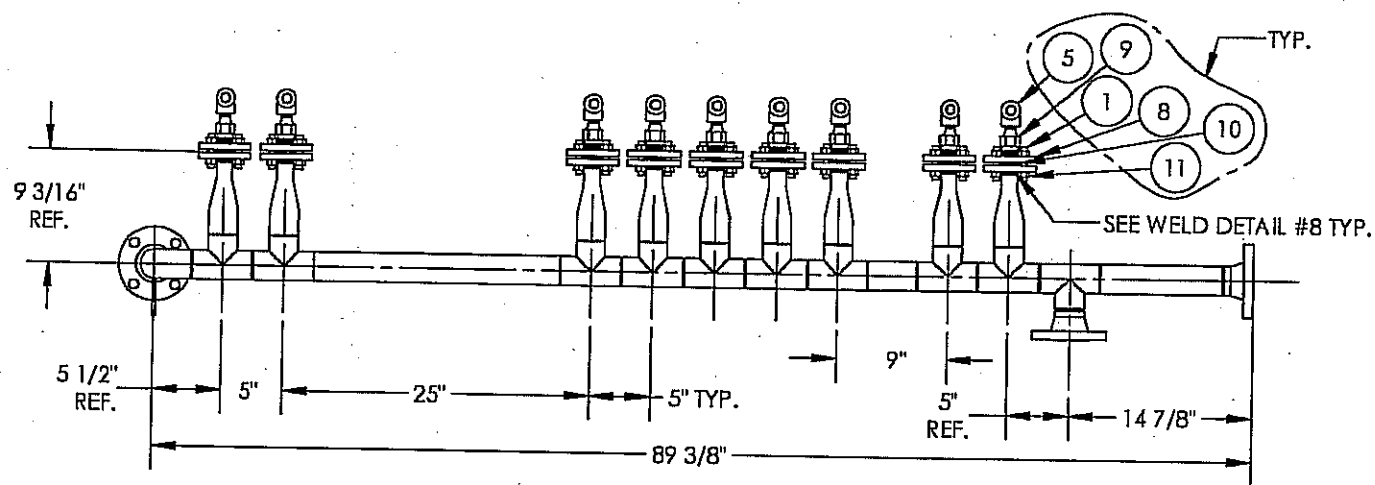
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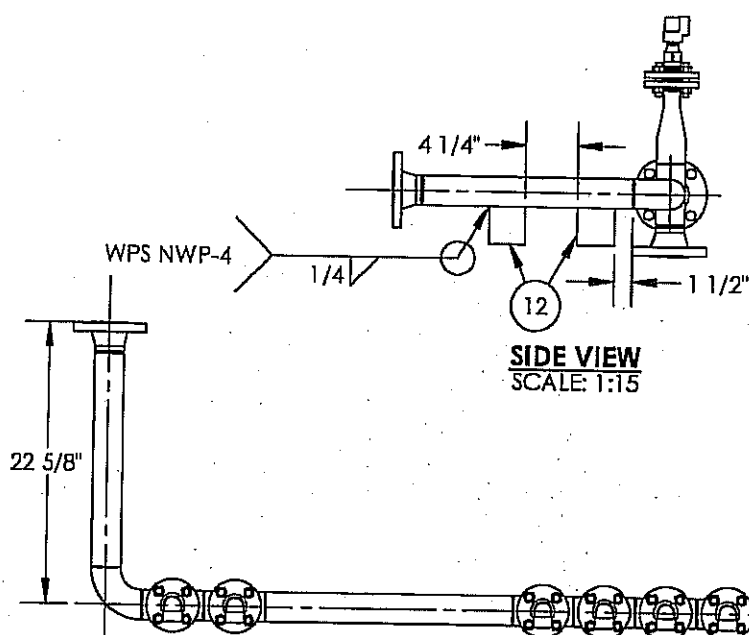
ENCANA CORPORATION DUAL SEPARATOR PACKAGE

36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY

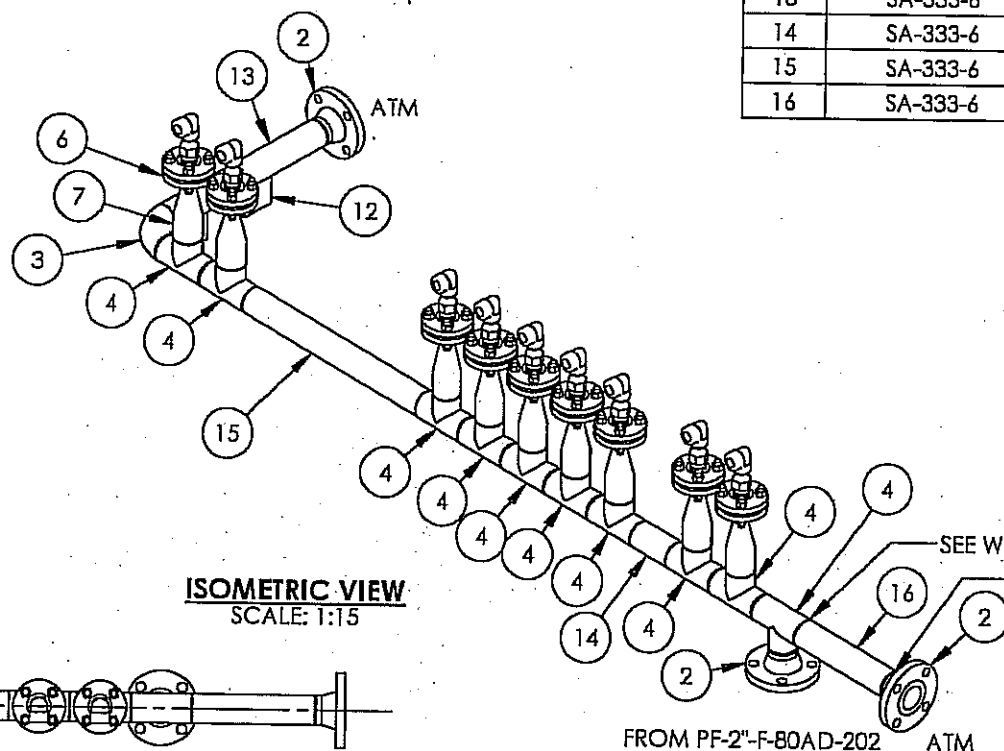
DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:10	DWG: 08075-2	REV: 3
SHEET: 18 OF 24		



FRONT VIEW
SCALE: 1:15



SIDE VIEW
SCALE: 1:15



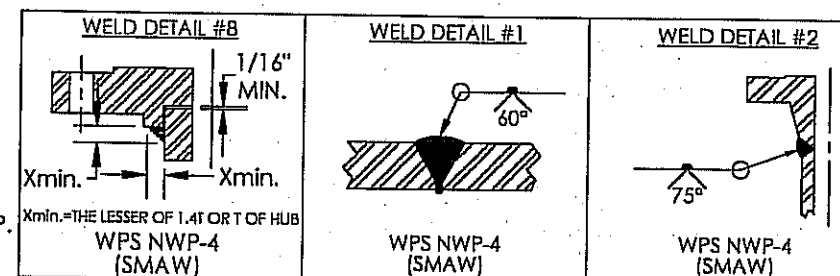
ISOMETRIC VIEW
SCALE: 1:15

PLAN VIEW
SCALE: 1:15

NOTES

1. ALL DIMENSIONS SHALL HAVE A TOLERANCE OF $\pm 1/8$ " UNLESS OTHERWISE SPECIFIED.
2. ALL BOLT HOLES STRADDLE COMMON CENTER LINE.
3. CUT LENGTHS FOR PIPE ARE FOR REFERENCE ONLY. SHOP TO ADJUST PIPE LENGTHS AS REQUIRED.

ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	ASTM-193	075132	B7M STUD 1/2" DIA. x 2 3/4" LG			36
2	SA350-LF2-CL1	100270	FLANGE 2" RFWN XH 150 ANSI			3
3	SA-420-WPL6	100542	ELBOW 90 DEG LR, 2" SCH XH BW			1
4	SA-420-WPL6	100562	TEE 2" SCH XH BUTTWELD			10
5	SA350-LF2-CL1	101198	1/2" CL 3000 THREADED 90 DEGREE ELBOW			9
6	SA350-LF2-CL1	102821	FLANGE 1" 150 ANSI RFSW SCH. XH BORE			9
7	SA-420-WPL6	102931	SWAGE SMLS 2" x 1" PE SCH XH/80			9
8	SA350-LF2-CL1	103053	FLANGE 1" 150 ANSI RF THRD			9
9	SA350-LF2-CL1	103121	1" x 1/2" SCH. XXH SWAGE			9
10	316SS	364279	GASKET 1" 150 ANSI RF SPIRALWOUND			9
11	ASTM-A194	760388	2HM HEX NUT 1/2" DIA.			72
12	SA-36/44W	772814	FLAT BAR 1/4" x 3"		3"	2
13	SA-333-6	820011	PIPE 2" SCH. XH/80 SMLS		17 1/8"	1
14	SA-333-6	820011	PIPE 2" SCH. XH/80 SMLS		4"	1
15	SA-333-6	820011	PIPE 2" SCH. XH/80 SMLS		20"	1
16	SA-333-6	820011	PIPE 2" SCH. XH/80 SMLS		9 7/8"	1



DESIGN DATA

LINE NUMBER:	PR-2"-D-80BD-254
CLIENT SPECIFICATION:	ENCANA ASC
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	285 PSI
MAXIMUM DESIGN TEMPERATURE:	100 °F
MINIMUM DESIGN TEMPERATURE:	-49 °F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	427 PSI
RADIOGRAPHY:	100% BW
OTHER NDE:	10% HARDNESS, 200 HB MAX.
POST WELD HEAT TREATMENT:	1150 °F $\pm$ 50 °F FOR 1 HOUR MIN.
CORROSION ALLOWANCE:	1/8"
Q.C. PROGRAM NO.:	AQP-1253
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2

ORIGINAL

FOR INFORMATION ONLY							
QC Copy		3	2011.08.03	JHK	GH	DF	RFDC #00566, REVISE P-130, REMOVE PCV-308
08075-1	PIPING AND INSTRUMENTATION DIAGRAM	2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
08075	GENERAL ARRANGEMENT	1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION
DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	
REFERENCE DRAWINGS		DRAWING REVISIONS					

ISSUED FOR CONSTRUCTION

SIGNED: _____

DATE: _____

W.O.: 08075-005

S.O.: _____

ALL DIMENSIONS IN INCHES



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PH: (403) 227-4100 FAX: (403) 227-4102

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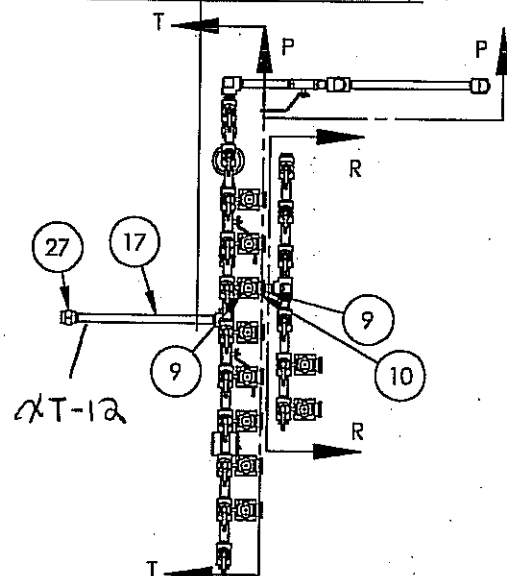
ENCANA CORPORATION
DUAL SEPARATOR PACKAGE

36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY

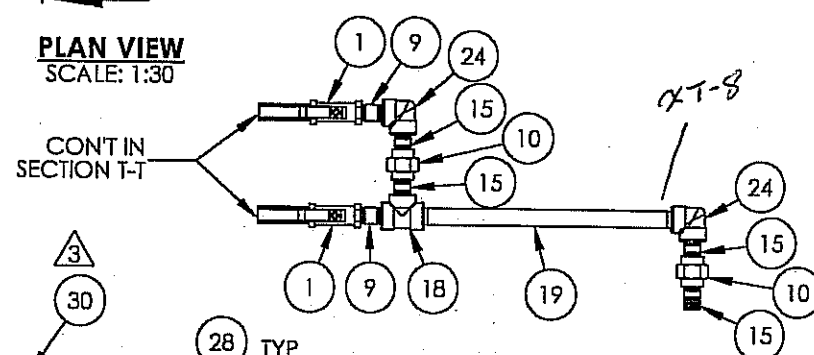
DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:15	DWG: 08075-2	REV: 3
SHEET: 19 OF 24		

DESIGN DATA	
LINE NUMBER:	FG-1"-B-80AD-303/309
CLIENT SPECIFICATION:	ENCANA AB
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	285 PSI
MAXIMUM DESIGN TEMPERATURE:	100 °F
MINIMUM DESIGN TEMPERATURE:	-20 °F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	427 PSI
JOINT SEALANT:	JET LUBE TF-15
CORROSION ALLOWANCE:	1/16"
Q.C. PROGRAM NO.:	AQP-1253
DESIGN DATA	
LINE NUMBER:	FG-1"-B-80BD-304
CLIENT SPECIFICATION:	ENCANA AC
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2008 EDITION
DESIGN PRESSURE:	285 PSI
MAXIMUM DESIGN TEMPERATURE:	100 °F
MINIMUM DESIGN TEMPERATURE:	-49 °F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	427 PSI
JOINT SEALANT:	JET LUBE TF-15
CORROSION ALLOWANCE:	1/16"
Q.C. PROGRAM NO.:	AQP-1253

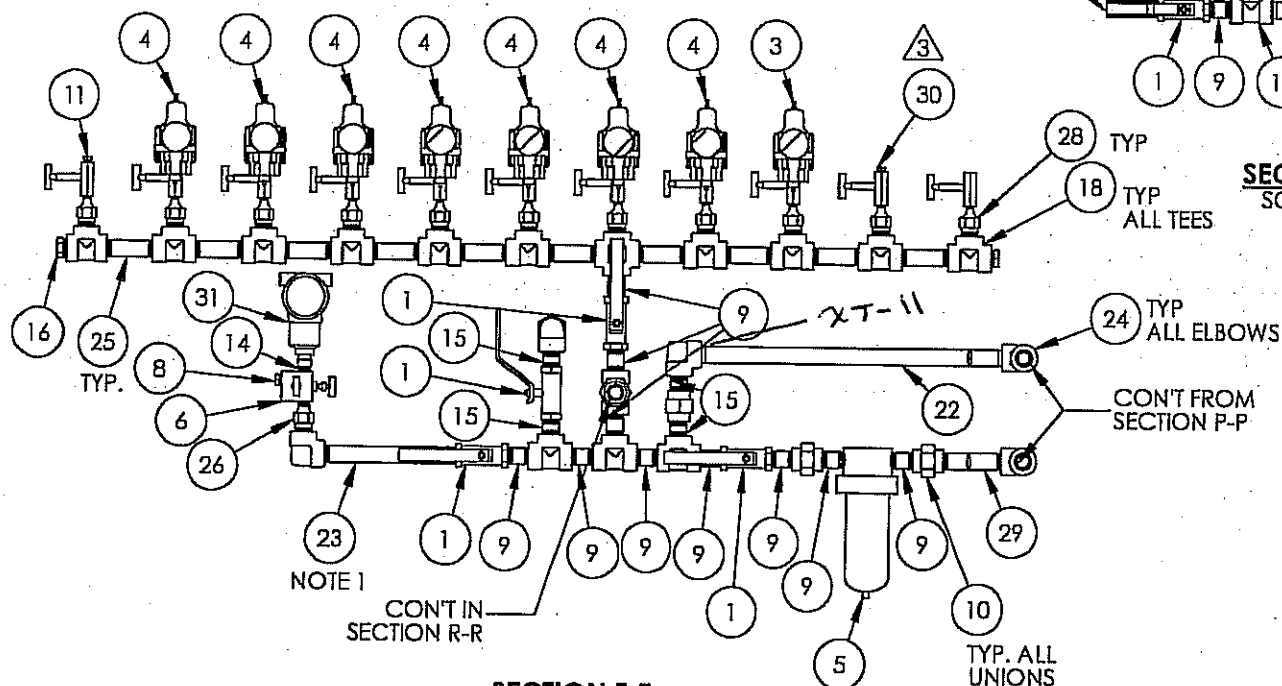
FG-1"-B-80BD-304 | FG-1"-B-80AD-303/309



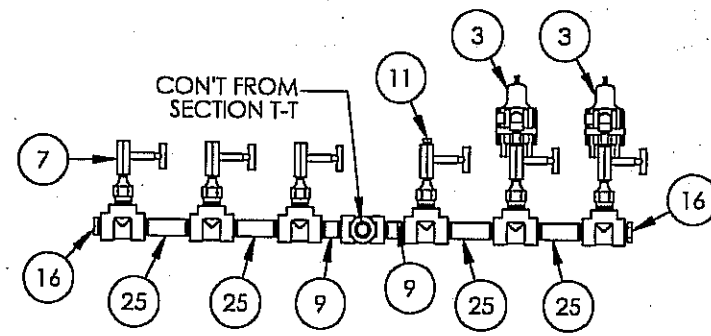
PLAN VIEW
SCALE: 1:30



SECTION P-P
SCALE: 1:15

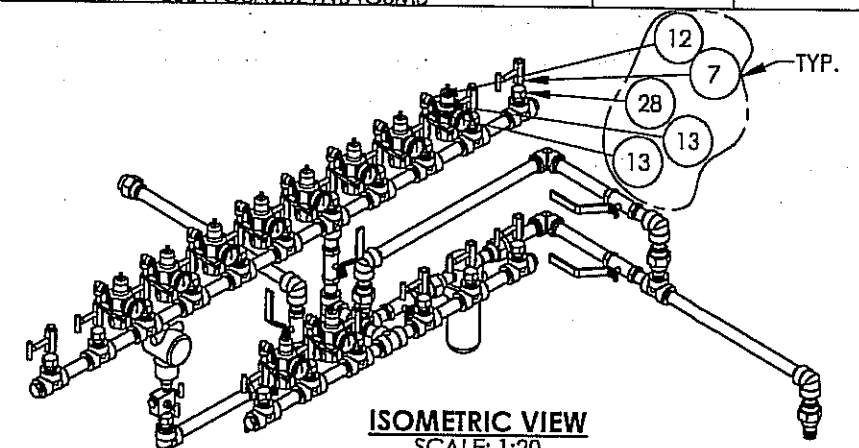


SECTION T-T
SCALE: 1:15



SECTION R-R
SCALE: 1:15

ORIGINAL



ISOMETRIC VIEW
SCALE: 1:20

ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	CS	072084	1" 3000 PSI NUTRON T3 STD TRIM RP BALL VALVE			6
2	SA-105	097921	1" CL 3000 THRD CROSS	58275		1
3	STD TRIM	100164	REGULATOR FISHER, 67CFR, 0-60 PSI c/w GAUGE			3
4	STD TRIM	100402	REGULATOR FISHER, 67CFR, 0-125 PSI c/w GAUGE			7
5	-	101635	FILTER HEADLINE 380A-HP-1 1" NPT, 2000 PSI			1
6	316SS	101928	MANIFOLD 2 VALVE A/G, MONEL STEM, NACE			1
7	SS	102350	VALVE NEEDLE AGCO 1/4" FNPT x 1/4" FNPT 6000 PSI H1VDS-2		-	17
8	SA-105	131991	1/2" CL 6000 THRD HEX PLUG		-	1
9	SA-106B	209895	1" x 3" SCH. XH/80 NIPPLE	FB-5768	-	16
10	SA-105	362671	1" CL 3000 THRD UNION	3431	-	6
11	SA-105N	396991	1/4" CL 6000 THRD HEX PLUG		-	2
12	SA-105	438424	1/4" CL 3000 THRD 90 ELBOW		-	10
13	SA-106B	444123	1/4" x 2" SCH. XH/80 NIPPLE		-	20
14	SA-106B	599269	1/2" x 1 1/2" SCH. XH/80 NIPPLE	DB5726		1
15	SA-106B	610180	1" x 2 1/2" SCH. XH/80 NIPPLE	FB5761		8
16	SA-105N	627588	1" CL 6000 THRD HEX PLUG	HRC		4
17	SA-333-6	653092	PIPE 1" SCH. XH/80 SMLS 007A-245		24 1/16"	1
18	SA-105N	681628	TEE 1" FS 3M THREADED	3445	-	22
19	SA-106B	686796	PIPE 1" SCH. XH/80 203674		21 3/8"	1
20	SA-106B	686796	PIPE 1" SCH. XH/80 203674		9 5/16"	1
21	SA-106B	686796	PIPE 1" SCH. XH/80 203674		9 5/16"	1
22	SA-106B	686796	PIPE 1" SCH. XH/80 038C 11827		25 13/16"	1
23	SA-106B	711561	1" x 12" SCH. XH/80 NIPPLE			1
24	SA-105	752666	1" CL 3000 THRD 90 ELBOW	66710	-	7
25	SA-106B	785175	1" x 5" SCH. XH/80 NIPPLE FB5740	FB5735	-	14
26	SA-105	833938	1" x 1/2" SCH. XH/80 SWAGE			1
27	SA350-LF2-CL1	838780	UNION 1" CL 3000 FS THREADED	4720		1
28	SA-105N	860339	1" x 1/4" SCH. XH/80 SWAGE	AKJB	-	17
29	SA-106B	963792	1" x 6" SCH. XH/80 NIPPLE 006-41			1
30	SA-105N	PLH.25HYEE	PLUG HEX 1/4" 6M THRD SA105N			1
31	-	SO	PRESSURE INDICATING TRANSMITTER ROSEMOUNT 3051TG3A2B21AB4C4M5			1

NOTES
1. 10% RADIOGRAPHY NWP MANUFACTURED THREADS.

FOR INFORMATION ONLY						
QC Copy		3	2011.08.03	JHK	GH	DF
		2	2011.07.19	JHK	GH	DF
08075-1 PIPING AND INSTRUMENTATION DIAGRAM		1	2011.06.16	JHK	GH	DF
08075 GENERAL ARRANGEMENT		0	2011.06.08	JHK	GH	DF
DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP
REFERENCE DRAWINGS		DRAWING REVISIONS				

ISSUED FOR
CONSTRUCTION

SIGNED: _____

DATE: _____

W.O.: 08075-005

S.O.: _____

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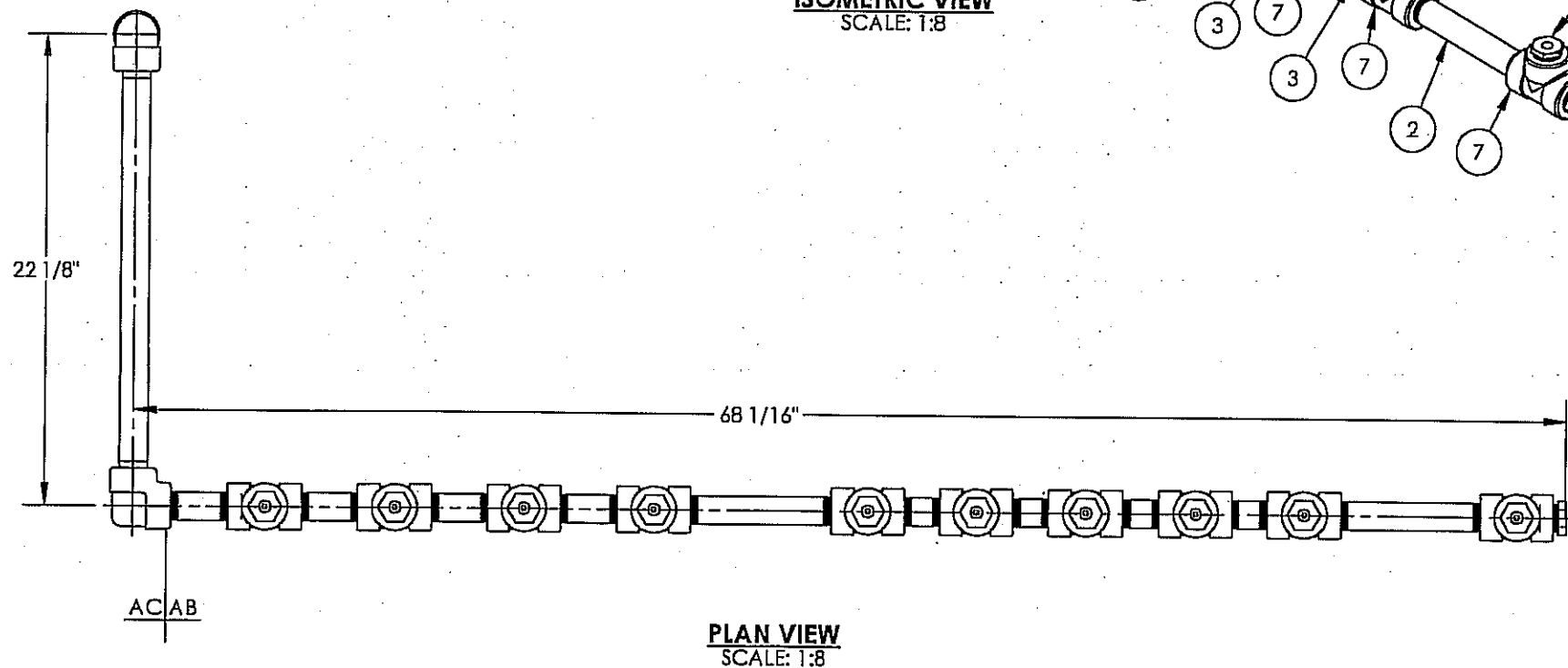
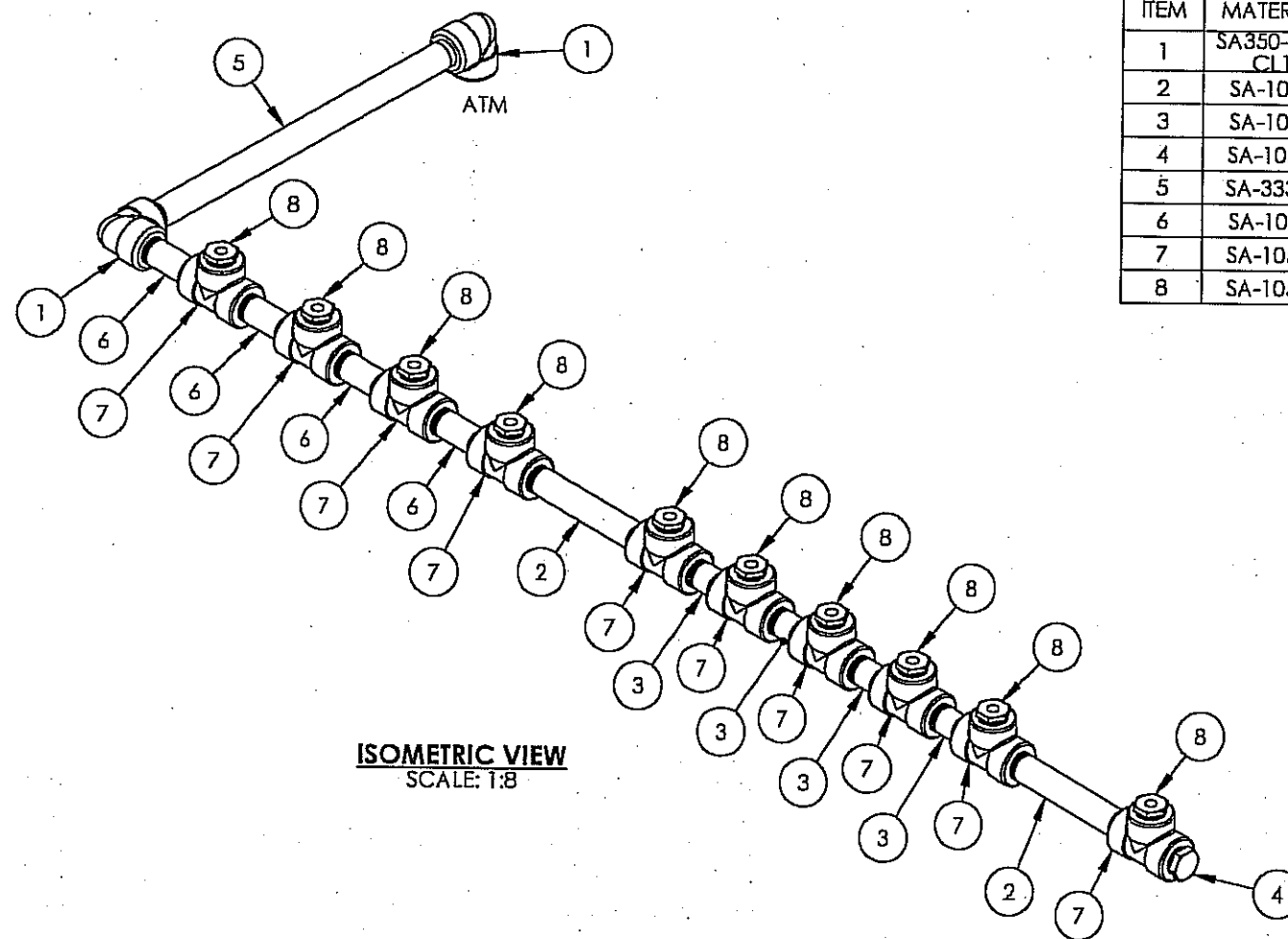


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ENCANA CORPORATION
DUAL SEPARATOR PACKAGE
36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY

DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.06	DATE: 2011.07.06
SCALE: 1:15	DWG: 08075-2	REV: 3
SHEET: 21 OF 24		



ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	SA350-LF2-CL1	100657	1" CL 3000 THREADED 90 DEGREE ELBOW	639MO		2
2	SA-106B	197713	1" x 8" SCH. XH/80 NIPPLE	FB5735		2
3	SA-106B	209895	1" x 3" SCH. XH/80 NIPPLE	FB5708		4
4	SA-105N	627588	1" CL 6000 THRD HEX PLUG	HRG		1
5	SA-333-6	653092	PIPE 1" SCH. XH/80 SMLS	007A-245	19 15/16"	1
6	SA-106B	673640	1" x 4" SCH. XH/80 NIPPLE	FB5741		4
7	SA-105N	681628	TEE 1" FS 3M THREADED	3417		10
8	SA-105N	706720	1" x 1/4" FS THRD HEX BUSHING	4807		10

ORIGINAL

NOTES
1. DESIGN PRESSURE: 14.9 PSI.

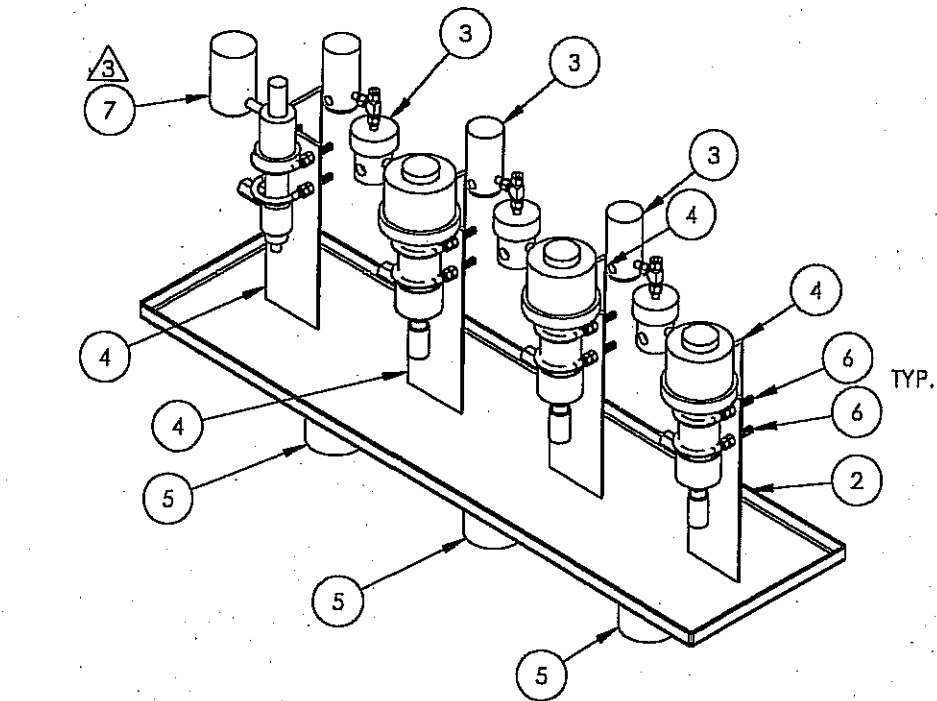
FOR INFORMATION ONLY										ISSUED FOR CONSTRUCTION		 NWP INDUSTRIES INC. Total oilfield supply. P.O. BOX 6280, INNISFAIL, AB T4G 1S9 PH: (403) 227-4100 FAX: (403) 227-4102 THIS DRAWING IS PROPERTY OF NWP INDUSTRIES INC. AND MAY NOT BE REPRODUCED WITHOUT PERMISSION. THIS DRAWING MUST BE RETURNED UPON REQUEST.	ENCANA CORPORATION DUAL SEPARATOR PACKAGE 36" OD x 90" S/S 2219 MAWP SEPARATOR 24" OD x 90" S/S 1440 MAWP SEPARATOR PIPING ASSEMBLY					
QC Copy		3	2011.08.03	JHK	GH	DF	RFDC #00566, REVISE P-130, REMOVE PCV-308			SIGNED: _____			DWN: JHK			CHK: GH	APP: DF	
		2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER			DATE: _____			DATE: 2011.06.08			DATE: 2011.07.06	DATE: 2011.07.06	
08075-1 PIPING AND INSTRUMENTATION DIAGRAM		1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512			w.o. 08075-005			SCALE: 1:8			DWG: 08075-2		REV: 3
08075 GENERAL ARRANGEMENT		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION			S.O.: _____		ALL DIMENSIONS IN INCHES						
DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP												
REFERENCE DRAWINGS		DRAWING REVISIONS																



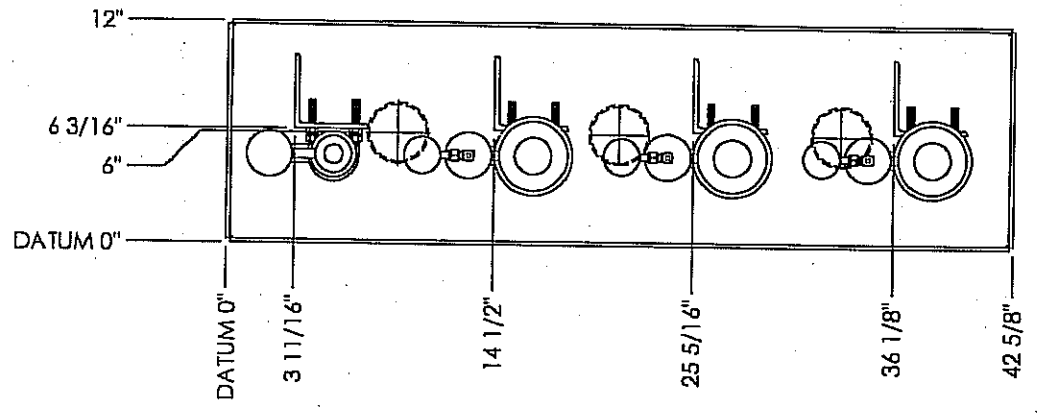
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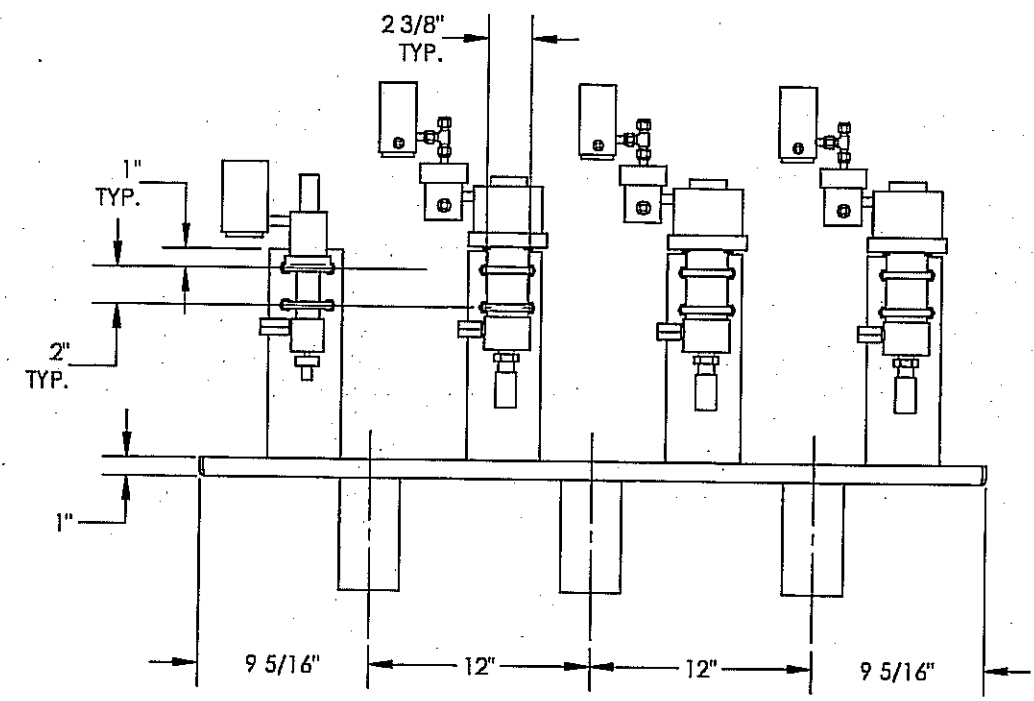
ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	SA-105N	080268	FULL COUPLING 1/2" CL 3000			3
2	SA-36/44W	411141	STEEL PLATE 3/16" THK		3.5 sq.ft.	1
3	-	632761	WILLIAMS, CPR500V400, METHANOL PUMP			3
4	SA-36/44W	835795	ANGLE IRON 4" x 4" x 1/4" THK		12"	4
5	SA53	PIP340A	PIPE 3" SCH. 40 SA106B		6"	3
6		UBO1.5	U-BOLT, 1 1/2" c/w 4 NUTS			8
7	-	BUY	PUMP WILLIAMS CP250V225CRTC			1



ISOMETRIC VIEW
SCALE: 1:10



PLAN VIEW
SCALE: 1:10



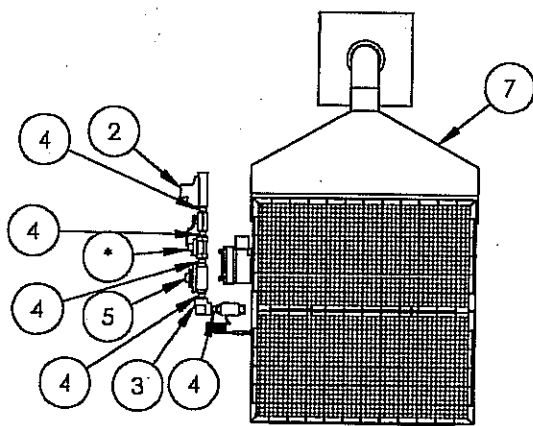
FRONT VIEW
SCALE: 1:10

ORIGINAL

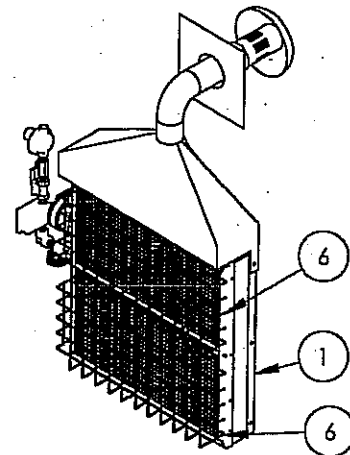
- NOTES**
1. DESIGN AND FABRICATE TO CSA W47.1 AND W59.
 2. ALL DIMENSIONS TO HAVE A TOLERANCE OF $\pm 1/8"$ UNLESS OTHERWISE SPECIFIED.
 3. DEBURR AND RADIUS ALL SHARP EDGES.
 4. WELD PROCESS TO BE MCAW UNLESS OTHERWISE NOTED. WPDS-FC1-15.
 5. ALL WELDS TO BE 1/4" CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED.

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QC Copy							SIGNED: _____		w.o.: 08075-005		DWN: JHK		CHK: GH		APP: DF	
08075-1 PIPING AND INSTRUMENTATION DIAGRAM							DATE: _____				DATE: 2011.06.08		DATE: 2011.07.06		DATE: 2011.07.06	
08075 GENERAL ARRANGEMENT							w.o.: 08075-005		s.o.: _____		SCALE: 1:10		DWG: 08075-2		REV: 3	
DOCUMENT NO. DESCRIPTION							ALL DIMENSIONS IN INCHES				SHEET: 23 OF 24					
REFERENCE DRAWINGS							DRAWING REVISIONS									
3 2011.08.03 JHK GH DF RFDC #00566, REVISE P-130, REMOVE PCV-308																
2 2011.07.19 JHK GH DF RFDC #00542, UPDATED SCRUBBER																
1 2011.06.16 JHK GH DF REVISED AS PER RFDC #00512																
0 2011.06.08 JHK GH DF ISSUED FOR CONSTRUCTION																

ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	-	100237	Catadyne Heater 24 x 24, 20000 BTU, SIDE MOUNT, 12VDC NATURAL GAS			1
2	-	147182	CATADYNE HEATER REGULATOR (AC-R-912)			1
3	SA-105	154627	3/8" CL 3000 THRD 90 ELBOW			1
4	SA-106B	353064	3/8" x 1 1/2" SCH. XH/80 NIPPLE			5
5	-	411733	HEATER THERMOSTAT FOR 24"x24" N/G CATADYNE AC-TC-8000N-7			1
6	-	609843	CATADYNE HEATER 12 x 24 HEATER GRILL			2
7	-	893980	VENT HOOD ASSEMBLY, 24-AC-MKII/HASSY-24 SIDE MOUNT			1



FRONT VIEW
BH-101A
SCALE: 1:20



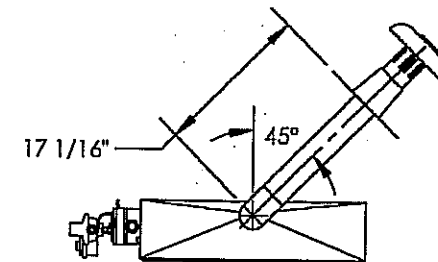
ISOMETRIC VIEW
BH-101A
SCALE: 1:20

ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	-	100237	Catadyne Heater 24 x 24, 20000 BTU, SIDE MOUNT, 12VDC NATURAL GAS			1
2	-	147182	CATADYNE HEATER REGULATOR (AC-R-912)			1
3	SA-105	154627	3/8" CL 3000 THRD 90 ELBOW			1
4	SA-106B	353064	3/8" x 1 1/2" SCH. XH/80 NIPPLE			5
5	-	411733	HEATER THERMOSTAT FOR 24"x24" N/G CATADYNE AC-TC-8000N-7			1
6	-	609843	CATADYNE HEATER 12 x 24 HEATER GRILL			2
7	-	893980	VENT HOOD ASSEMBLY, 24-AC-MKII/HASSY-24 SIDE MOUNT			1

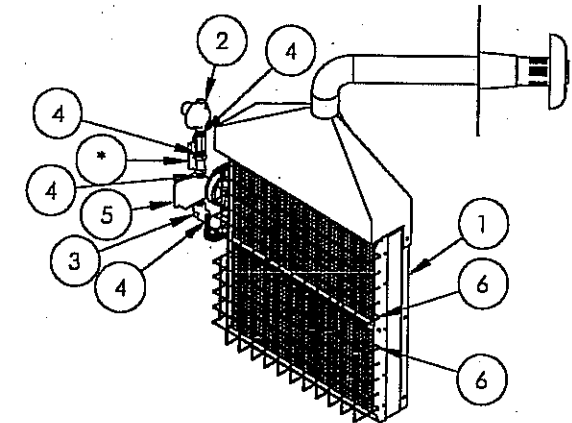
NOTES

1.* DENOTES c/w HEATER.

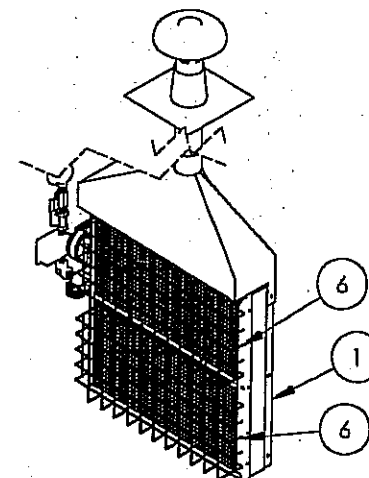
ITEM	MATERIAL	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	-	100237	Catadyne Heater 24 x 24, 20000 BTU, SIDE MOUNT, 12VDC NATURAL GAS			1
2	-	147182	CATADYNE HEATER REGULATOR (AC-R-912)			1
3	SA-105	154627	3/8" CL 3000 THRD 90 ELBOW			1
4	SA-106B	353064	3/8" x 1 1/2" SCH. XH/80 NIPPLE			5
5	-	411733	HEATER THERMOSTAT FOR 24"x24" N/G CATADYNE AC-TC-8000N-7			1
6	-	609843	CATADYNE HEATER 12 x 24 HEATER GRILL			2
7	-	893980	VENT HOOD ASSEMBLY, 24-AC-MKII/HASSY-24 SIDE MOUNT			1



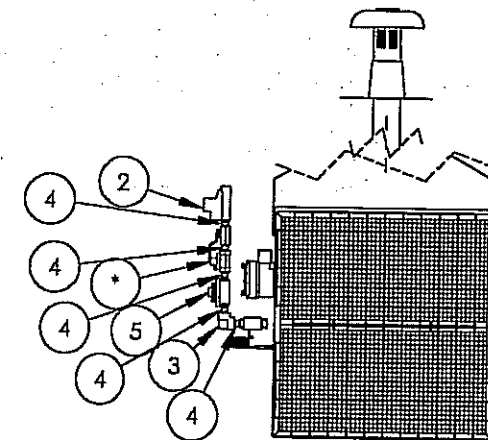
PLAN VIEW
BH-101B
SCALE: 1:20



ISOMETRIC VIEW
BH-101B
SCALE: 1:20



ISOMETRIC VIEW
BH-101C
SCALE: 1:20



FRONT VIEW
BH-101C
SCALE: 1:20

ORIGINAL

FOR INFORMATION ONLY							
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08075-1	PIPING AND INSTRUMENTATION DIAGRAM	3	2011.08.03	JHK	GH	DF	RFDC #00566, REVISE P-130, REMOVE PCV-308
08075	GENERAL ARRANGEMENT	2	2011.07.19	JHK	GH	DF	RFDC #00542, UPDATED SCRUBBER
		1	2011.06.16	JHK	GH	DF	REVISED AS PER RFDC #00512
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION
DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	
REFERENCE DRAWINGS		DRAWING REVISIONS					

ISSUED FOR CONSTRUCTION

SIGNED: _____

DATE: _____

W.O. 08075-005

S.O.: _____

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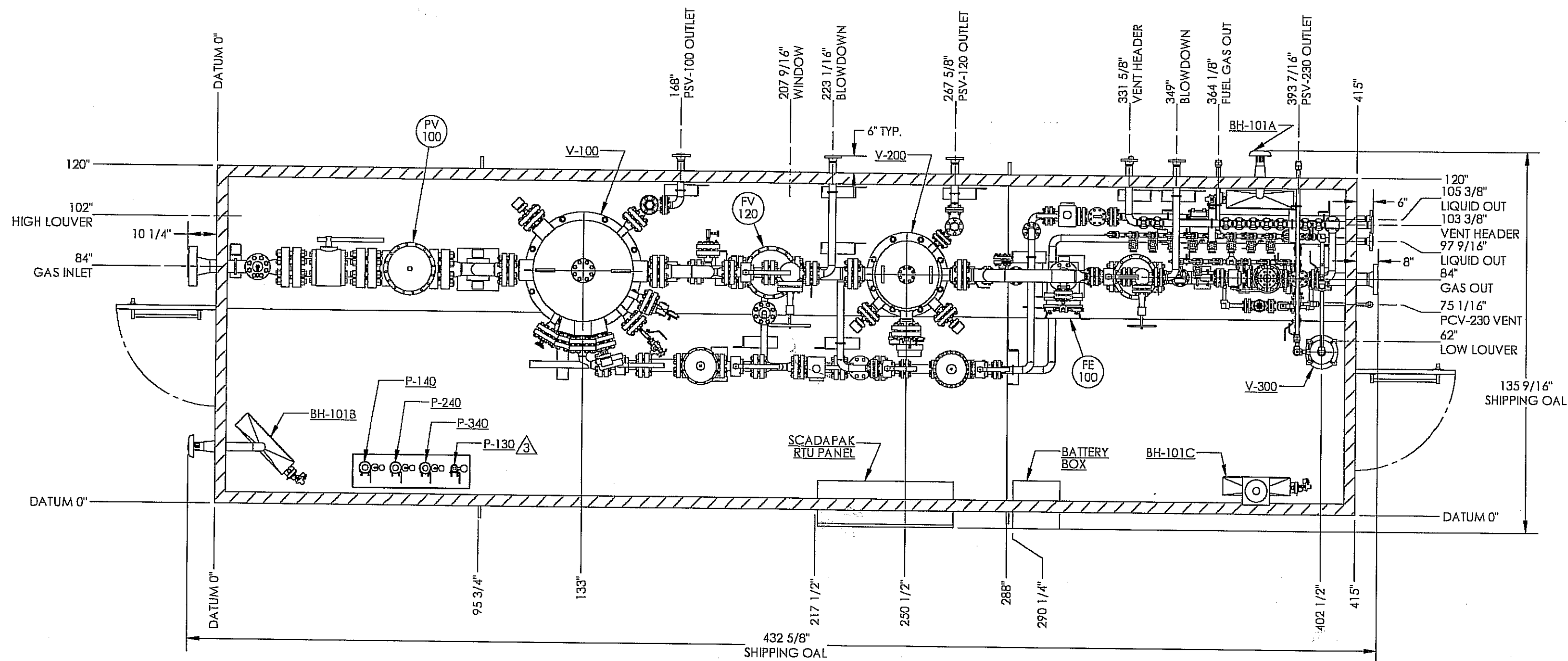
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ENCANA CORPORATION
DUAL SEPARATOR PACKAGE
36" OD x 90" S/S 2219 MAWP SEPARATOR
24" OD x 90" S/S 1440 MAWP SEPARATOR
PIPING ASSEMBLY

DWN: JHK CHK: GH APP: DF
DATE: 2011.06.08 DATE: 2011.07.06 DATE: 2011.07.06

SCALE: 1:20
SHEET: 24 OF 24
DWG: 08075-2
REV: 3



SHIPPING DATA	
OVERALL HEIGHT	15' - 2"
OVERALL LENGTH	36' - 5/8"
OVERALL WIDTH	11' - 3 9/16"
APPROX. WEIGHT	53,000 LBS

PLAN VIEW
SCALE: 1:35

ISSUED FOR CONSTRUCTION

NOTES

1. PIPE SUPPORTS WHERE REQUIRED.
2. ALL PNEUMATIC VALVES AND INSTRUMENTS TO BE FUNCTIONED TESTED WITH 75 PSI SHOP AIR.
3. SHIP LOOSE ITEMS TO BE BOXED AND SEALED PRIOR TO SHIPMENT.
4. PLUG ALL OUTLETS PRIOR TO SHIPMENT.

DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	
101702	SKID ASSEMBLY	3	2011.08.03	JHK	GH	DF	RFDC #00567 REVISE P-130, REMOVE PCV-308
08075-2	PIPING ASSEMBLY	2	2011.07.19	JHK	GH	DF	RFDC #00543 UPDATED SCRUBBER
08075-1	PIPING AND INSTRUMENTATION DIAGRAM	1	2011.06.15	JHK	GH	DF	REVISED AS PER RFDC #00510
		0	2011.06.08	JHK	GH	DF	ISSUED FOR CONSTRUCTION
REFERENCE DRAWINGS		DRAWING REVISIONS					

ISSUED FOR
CONSTRUCTION

SIGNED: *[Signature]* AUG 09 2011

DATE: AUG 08 2011

08075-005

S.O. 200517

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ENCANA CORPORATION
DUAL SEPARATOR PACKAGE
36" x 90" S/S 2219 PSI MAWP SEPARATOR
24" x 90" S/S 1440 PSI MAWP SEPARATOR
GENERAL ARRANGEMENT

DWN: JHK	CHK: GH	APP: DF
DATE: 2011.06.08	DATE: 2011.07.11	DATE: 2011.07.11
SCALE: 1:35	DWG: 08075	REV: 3
SHEET: 1 OF 3		

