

ITEM		QTY.	DESCRIPTION
1	2	SF. HEAD, 72"ID X 1500" NOM. (0.4375" MIN.), SA516-70N	
2	2	SHELL, 72"ID X 1500" X 10'-0" LONG, SA516-70N	
3	2	ROLLED REPAD, 1/2" X 10' X 8" LONG (ROLLED TO 75"ID, SA516-70N)	
4	2	SUPPORT PLATE - PLATE, 1/2", SA36/44W (SEE DETAIL)	
5	4	SIDE PLATE - FLAT, 1/2" X 8", A36/44W (SEE DETAIL)	
6	2	BASE PLATE - FLAT, 3/4" X 10' X 67" LONG, A36/44W (SEE DETAIL)	
7	1	RFHB, 20" 300 ANSI X 14" OAL, SA350LF2	
8	1	RFB, 20" 300 ANSI, SA105N	
9	1	DAVIT ARM, 18" - 24"	
10	1	316 SPIRALWIND GSKT, 20" 300 ANSI, NAS8	
11	24	B7M STUD, 1 1/4" X 8", SA193-B7M	
12	48	2HM HEX NUT, 1 1/4", SA194-2HM	
13	1	PIPE, 16" SCH. 100 (0.031"), SA333GR6	
14	1	S.F. HEAD, 16"OD X 100" NOM. (0.875" MIN.), SA516-70N	
15	1	ROLLED REPAD, 28"OD X 1 1/4" NOM. ROLLED TO 75"ID, SA516-70N	
16	2	RFHB, 10" 300 ANSI X 12" OAL, SA350LF2	
17	1	RFLWN, 6" 300 ANSI X 10" OAL, SA350LF2	
18	1	RFLWN, 6" 300 ANSI SCH. 80, SA105N	
19	1	WELD 90, 6" SCH. 80 LR, SA234WPB	
20	4	RFLWN, 3" 300 ANSI X 9" OAL, SA350LF2	
21	6	RFLWN, 2" 300 ANSI SCH. 160, SA105N	
22	A/R	PIPE, 2" SCH. 160 (0.344"), SA106B	
23	4	FLAT, 1/2" X 7", A36/44W (SEE DETAIL)	
24	2	LIFT LUG - PLATE, 1 1/4", SA516-70N (SEE DETAIL)	
25	1	TAG PLATE HOLDER, SA36 B VESSEL ID PLATE, SS	
26	1	WEIR - PLATE, 3/8", SA36/44W (SEE DETAIL)	
27	1	SURGE BAFFLE - PLATE, 3/8", SA36/44W (SEE DETAIL)	
28	1	PIPE, 36" SCH. STD (0.375"), SA538 X 14" LONG	
29	1	DEM 9LB 316LSS, 36"OD X 6"TK, 3 PC NO GRD, REMOVABLE	
30	A/R	FLAT, 1/4" X 1", A36/44W	
31	A/R	FLAT EXP. METAL, 3/4" X 9LB, CS	
32	1	REMOVABLE FLOAT HOOD - PLATE, 3/8", SA36/44W (SEE DETAIL)	
33	A/R	PLATE, 3/8", SA36/44W (SEE DETAIL)	
34	1	REMOVABLE INLET DIVERTER - PLATE, 3/8", SA36/44W (SEE DETAIL)	
35	A/R	FLAT, 1/4" X 2", A36/44W	
36	1	WEIR GASKET, 1/8" BLUE GARD (AS PER DRAWING)	

NOTES:
 ALL STUD LENGTHS GIVEN ARE THREAD TO THREAD
 ALL RFHB TO BE NUT STOP OD
 VESSEL EXTERIOR:
 BLAST SSPC-SP-6
 ONE (1) COAT SHOP PRIMER
 HEADS & SHELL MATERIAL TO BE IMPACT TESTED AT -20 IS-12FT-11.8
 PERFORM UT ON ALL CAT. D WELDS AFTER PWHT
 PREHEAT TO 200°F PRIOR TO WELDING
 ALL REPADS TO HAVE 1/4" WEEP HOLES

REV.	MM	DD	YY	DESCRIPTION	CALC. No.	BY	CHK'D	APP'D
04	11	07		AS BUILT		WJH	GV	
01	11	07		ISSUED FOR CONSTRUCTION		GV	GV	GV

ASME 2004 ED. 2005 ADD CODE SEC. VIII DIV. 1

BMS AOP (S) 1009 REGISTERED WELD PROCEDURE 505.2
 FOR VESSEL TOLERANCES, SEE WELDER HANDBOOK
 VESSEL TYPE: HORIZONTAL
 M.A.W.P.: 720 PSIG (496.4 kPa) AT +100°F (+38°C)
 M.D.M.T.: -20°F (-29°C) AT 720 PSIG (496.4 kPa)
 NOZZLE IMPACT TESTING EXEMPT PER UG201 (I-5) & UCS66a(1)g
 P.W.H.T.: YES 1150°F FOR 90 MIN.
 RADIOGRAPHY, RT-J CIRC.; FULL LONG FULL
 JOINT EFFICIENCY: HEADS: 1.00 SHELL: 1.00
 CORROSION ALLOWANCE: 1/8"
 HYDROSTATIC TEST: 936 PSIG (645.4 kPa)
 VOLUME: 63211³ (17.9m³)
 WEIGHT (DRY): 35,000 lb (15,909 kg)

CLIENT	ARISTAR CORPORATION		 925-23rd Street S.W. Medicine Hat Alberta, Canada, T1A 8R1 (403) 526-3142		
PROJECT	(I) - 72"ID X 20'-0" X 720 PSI HORIZONTAL SEPARATOR				
TITLE	72"ID X 20'-0" X 720 PSI VESSEL				
CRN No.:	P6125.231	Wo No.:	1	SERIAL No.:	
DRAWN BY:	G. VANDERMOLLEN	REV. No.:	1	DATE: MM/DD/YY	04/11/07
DATE: MM/DD/YY	01/11/07	SCALE:	3/8" = 1'-0"	CAD No.:	32584

WELD DETAIL	WELD DETAIL 2	WELD DETAIL 3	WELD DETAIL 4	WELD DETAIL 5	WELD DETAIL 6	WELD DETAIL 7	WELD DETAIL 8	WELD DETAIL 9	WELD DETAIL 10	WELD DETAIL 11	WELD DETAIL 12	WELD DETAIL 13	WELD DETAIL 14
ROOT: BM-4 FBC: BM-4 TN	ROOT: BM-4 FBC: BM-4 TN	ROOT: BM-4 FBC: BM-4 TN	ROOT: BM-2 OR BM-4 FBC: BM-2 OR BM-4 TN	ROOT: BM-2 FBC: BM-2 OR BM-4 TN	ROOT: BM-2 FBC: BM-2 OR BM-4 TN	ROOT: BM-2 FBC: BM-2 OR BM-4 TN	ROOT: BM-2 FBC: BM-2 OR BM-4 TN	ROOT: BM-2 FBC: BM-2 OR BM-4 TN	ROOT: BM-2 FBC: BM-2 OR BM-4 TN	ROOT: BM-2 FBC: BM-2 OR BM-4 TN	ROOT: BM-4 FBC: BM-4 OR BM-4 TN	ROOT: BM-4 FBC: BM-4 OR BM-4 TN	ROOT: BM-4 FBC: BM-4 OR BM-4 TN
WITHOUT BACKING	WITHOUT BACKING	3/4" TRANSITION											
R ₁ : 1/4" (10°) R ₂ : 1/4" (10°) R ₃ : 1/4" (10°)	R ₁ : 1/4" (10°) R ₂ : 1/4" (10°) R ₃ : 1/4" (10°)	R ₁ : 1/4" (10°) R ₂ : 1/4" (10°) R ₃ : 1/4" (10°)	R ₁ : 1/4" (10°) R ₂ : 1/4" (10°) R ₃ : 1/4" (10°)	R ₁ : 1/4" (10°) R ₂ : 1/4" (10°) R ₃ : 1/4" (10°)	R ₁ : 1/4" (10°) R ₂ : 1/4" (10°) R ₃ : 1/4" (10°)	R ₁ : 1/4" (10°) R ₂ : 1/4" (10°) R ₃ : 1/4" (10°)	R ₁ : 1/4" (10°) R ₂ : 1/4" (10°) R ₃ : 1/4" (10°)	R ₁ : 1/4" (10°) R ₂ : 1/4" (10°) R ₃ : 1/4" (10°)	R ₁ : 1/4" (10°) R ₂ : 1/4" (10°) R ₃ : 1/4" (10°)	R ₁ : 1/4" (10°) R ₂ : 1/4" (10°) R ₃ : 1/4" (10°)	R ₁ : 1/4" (10°) R ₂ : 1/4" (10°) R ₃ : 1/4" (10°)	R ₁ : 1/4" (10°) R ₂ : 1/4" (10°) R ₃ : 1/4" (10°)	R ₁ : 1/4" (10°) R ₂ : 1/4" (10°) R ₃ : 1/4" (10°)
NOZ. NO.	REQ'D	SIZE	RATING	TYPE OF SERVICE	OD OF NOZ NECK	PROJECTION OUTSIDE	PROJECTION INSIDE	REIF PAD OD x THK	WELD DETAIL	FILLET WELD SIZE	BILL OF MAT'L ITEM No.	REMARKS	
MI	1	20"	300	MANWAY	25"	9	2	5	3/8 5/8	-	7,8,9,10,11,12		
BI	1	16"	300	BOOT	16"	22 1/2	0	28" x 1 1/4"	2,3	3/8	1	13,14,15	
N1	1	10"	300	INLET	13.62"	7	1	5	3/8 5/8	-	16		
N2	1	10"	300	OUTLET	13.62"	7	1	5	3/8 5/8	-	16		
N3	1	6"	300	OIL	8.12"	6	2 1/4	5	3/4 3/4	-	17		
N4	1	6"	300	WATER	6.625"	9	-	4.6	3/8	-	18,19		
N5	1	3"	300	PSV	4.62"	5	1 5/8	5	1/2 5/8	-	20		
N6	1	3"	300	DRAIN	4.62"	5	1 5/8	5	1/2 5/8	-	20		
N7a	1	2"	300	BRIDLE	2.375"	6	-	4.6	3/8	-	21,22		
N7b	1	2"	300	BRIDLE	2.375"	6	-	4.6	3/8	-	21,22		
N8a	1	2"	300	BRIDLE	2.375"	6	-	4.6	3/8	-	21,22		
N8b	1	2"	300	BRIDLE	2.375"	6	-	4.6	3/8	-	21,22		
N9	1	2"	300	TI	2.375"	6	-	4.6	3/8	-	21,22		
N10	1	2"	300	PI	2.375"	6	-	4.6	3/8	-	21,22		
N11ab	2	3"	300	SPARE	4.62"	5	1 5/8	5	1/2 3/4	-	20		

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by BROMLEY MECHANICAL SERVICES (1985) LTD. 925-23 STREET S.W. MEDICINE HAT, ALBERTA, CANADA T1A 8R1
 (Name and address of manufacturer)

2. Manufactured for Aristar Corporation, Box 204, Halkirk AB, T0C 1M0
 (Name and address of purchaser)

3. Location of Installation For Resale
 (Name and address) 565030

4. Type: Horizontal Separator 624629 P6125.231 14181-REG-Rev. 3 2006
 (Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Mater. Bd. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 2004
 Year

to 2005 n/a n/a
 Addenda (Data) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA516-70N 1.500" 0.125" 72" ID 20'-0" S/S
 (Spec. No., Grade) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: Single (Type 1) Full 100% 1150°F 90 min Single (Type 1) Full 2
 Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Matf. SA516-70N (b) Matf. SA516-70N
 (Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	Ends	1.4375"	0.125"	n/a	n/a	2:1	n/a	n/a	n/a	Concave
(b)	Boot Head	0.875"	0.125"	n/a	n/a	2:1	n/a	n/a	n/a	Concave

If removable, bolts used (describe other fastenings)

(Matf., Spec. No., Gr., Size, No.)

9. MAWP 720 psi at max. temp. 100 °F
 Min. design metal temp. -20 °F at 720 psi. Hydro. 995 psi. test pressure

10. Nozzles, Inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matf.	Nom. Thk.	Reinforcement Matf.	How Attached	Location
Manway	1	20"	CL300RFHB	SA350LF2, SA105N	2.500"	-	UW16.1(a)(e)	Datum Head
Boot	1	16"	PIPE	SA333GR6, SA516-70N	1.031"	SA516-70N	UW16.1(a)(e)	Shell
Inlet/Outlet	2	10"	CL300RFHB	SA350LF2	2.030"	-	UW16.1(a)(e)	Shell
Oil	1	6"	CL300RFLWN	SA350LF2	1.0625"	-	UW16.1(a)(e)	Shell
Water	1	6"	CL300RFLWN	SA105N, SA234WPB	0.432"	-	UW16.1(a)(e)	Shell
PSV, Drain	2	3"	CL300RFLWN	SA350LF2	0.810"	-	UW16.1(a)(e)	Shell
Bridle-4, TI, PI	6	2"	CL300RFLWN	SA105N	0.344"	-	UW16.1(a)(e)	Shell
Spare	2	3"	CL300RFLWN	SA350LF2	0.810"	-	UW16.1(a)(e)	Shell

11. Supports: Skirt No Lugs 2 Legs 2 Other n/a Attached Shell/Weld
 (Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

(Name of part, item number, Mfg's name and identifying stamp)

Volume: 632 cu ft or 17.9 cu m PSV Supplied by Other per UG125

CA: 0.125" Head & Shell Material & Production to be Impact Tested at -20 to 12 ft lbs

Impact Testing Exempt Per UG20(f)(1-5), UCS 66(a)(g) Construction Drawing Cad No. 32270 Rev. 0

CERTIFICATE OF SHOP / FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 30834 expires 10/26/2007

Date Sep 12/06 Co. Name BROMLEY MECHANICAL SERVICES (1985) LTD. Signed [Signature]
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by BROMLEY MECHANICAL SERVICES (1985) LTD. at 925-23 STREET S.W. MEDICINE HAT, ALBERTA, CANADA T1A 8R1

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Alberta and employed by Alberta Boilers Safety Association have inspected

the component described in this Manufacturer's Data Report on Sep 12/06, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date Sep 12/06 Signed [Signature] Commission AB 2160 A
 (Authorized Inspector) (Nat'l Board, (Incl. endorsements) State, Prov. and No.)

NOTES:

- QUANTITIES IN B.O.M. ARE FOR ONE (1) UNIT.
- ALL PIPING TO BE IN ACCORDANCE WITH THE LATEST EDITION OF ASME B31.3 PRESSURE PIPING CODE.
- VESSEL TO BE FABRICATED TO THE LATEST EDITION OF ASME SECTION VIII, DIVISION 1 PRESSURE VESSELS.
- THREADED PIPING TO BE 2" AND OVER SCH. 160 SA-106-B, SMLS
LESS THAN 2" SCH. 160, SA-106-B, SMLS
THREADED FITTINGS TO BE 3000# SA-105N FITTINGS.
FUEL GAS TO BE 1" SCH. 80 SA-106-B SMLS
- ALL BUTTWELDED PIPING TO BE 100% X-RAYED AND PWHT.
- ALL STUDS ARE SA-193-B7M, NUTS ARE SA-193-2HM, GASKETS ARE TO BE 316 S.S.
- HYDROTEST TO 1.5 TIMES DESIGN PRESSURE (AS LISTED ON SPOOLS).
- PAINTING: VESSEL AND PIPING TO BE CLEANED TO SSPC-SP-3.
1ST COAT PRIMER: DEVCO FAST DRY PRIMER.
FINISH COAT: DEVCO WARM GREY ENAMEL.
- BUILDING DETAILS: ONE (1) 13'6" WIDE X 25'0" LONG X 12'10" HIGH GABEL STYLE METAL BUILDING.
COLOR: 22 GAUGE GALVALUME EXTERIOR.
INTERIOR: 24 GAUGE FLUTED ALUMINUM WHITE INTERIOR C/W R12 INSULATION.
TWO (2) 3' X 7' STEEL DOORS C/W IWG WINDOW, CHECK CHAIN, PANIC-LOCK, AND WEATHER STRIPPING.
TWO (2) 12" X 12" ADJUSTABLE LOUVER.
ONE (1) SET OF ICE RAKES.
- ALL TUBING TO BE 316 STAINLESS STEEL AND HYLOK FITTINGS TO BE 316 STAINLESS STEEL.
- ALL INSTRUMENTS ARE VENTED OFF SKID BY COMMON VENT HEADER THAT IS TIED INTO THE PSV OUT SPOOLS.

LISTING OF VALVES

QTY.	TAG #	TYPE	DESCRIPTION
4		NUTRON	4" 300# RF FLANGED BALL VALVE REG. PORT. SOUR SERVICE
1		NUTRON	3" 300# RF FLANGED BALL VALVE REG. PORT. SOUR SERVICE
6		NUTRON	2" 300# RF FLANGED BALL VALVE REG. PORT. SOUR SERVICE
3		NUTRON	1" NPT 3000# BALL VALVE REG. PORT. SOUR SERVICE
4		NUTRON	3/4" NPT 3000# BALL VALVE REG. PORT. SOUR SERVICE
7		NUTRON	1/2" NPT 3000# BALL VALVE REG. PORT. SOUR SERVICE
1		AGI	1/2" NPT 6000# MxF NEEDLE VALVES S.S. SOUR SERVICE
5		AGI	1/4" NPT 6000# MxF NEEDLE VALVES S.S. SOUR SERVICE
2		NAVCO	2" 300# RF GLOBE VALVE - SOUR SERVICE
1		NAVCO	1" 1500# RP NPT GLOBE VALVE - SOUR SERVICE
1		WHEATLEY	4" 300# RF REG. PORT SWING CHECK VALVE - SOUR SERVICE
1		WHEATLEY	2" 300# RF FULL PORT SWING CHECK VALVE - SOUR SERVICE
2		ALTA	4" 300# RF Y-STRAINER - SOUR SERVICE

BILL OF MATERIALS

QTY.	TAG #	TYPE	DESCRIPTION
1	FE-100 NRG SUPPLIED	DANIEL	4" 600# DUAL CHAMBER METER RUN SCH. 80. SOUR SERVICE TRIM. 100% X-RAY. FLANGED OUTER ENDS, BUILT TO AGA FIG. 3C. CONFIGURATION. ONE (1) 1" 3000# TOL AND ONE (1) 3/4" 3000# TOL DOWNSTREAM C/W STRAIGHTENING VANES.
1	LC-101	FISHER	2" NPT L2 SERIES LIQUID LEVEL CONTROLLER. SOUR, SNAP, DIRECT ACTING 6 - 30 PSIG RANGE, 7' ARM.
1	LCV-100	FISHER	4" 300# RF 667-45 ET CONTROL VALVE, 4" FLANGED END CONNECTION 4 3/8" TRIM. SIZE 45 ACTUATOR. SOUR SERVICE - COMPLIES TO NACE MR-001-75 (2002) 6 TO 30 PSIG INPUT SIGNAL. AIR TO OPEN - FAIL CLOSED.
1	LCV-101	FISHER	4" 300# RF 667-45 ET CONTROL VALVE, 4" FLANGED END CONNECTION 4 3/8" TRIM. SIZE 45 ACTUATOR. SOUR SERVICE - COMPLIES TO NACE MR-001-75 (2002) 6 TO 30 PSIG INPUT SIGNAL. AIR TO CLOSE - FAIL OPEN.
1	BPV-100	FISHER	2" 300# RF 667-45 ET CONTROL VALVE, 2" FLANGED END CONNECTION 2 5/16" TRIM. SIZE 40 ACTUATOR. SOUR SERVICE - COMPLIES TO NACE MR-001-75 (2002) 6 TO 30 PSIG INPUT SIGNAL. AIR TO CLOSE - FAIL OPEN.
1	BDV-100	FISHER	MODEL D4 CONTROL VALVE, 2" 300# RF END CONNECTION 1" TRIM. SOUR SERVICE. 6 TO 30 PSIG INPUT SIGNAL. AIR TO CLOSE - FAIL OPEN.
1	LG-100	PENBERTHY	MODEL 330J GAUGE VALVES, 3/4" NPT, 3RM8 REFLEX LEVEL GAUGE SOUR SERVICE.
1	LG-101	PENBERTHY	MODEL 330J GAUGE VALVES, 3/4" NPT, 3TM8 TRANSPARENT LEVEL GAUGE - SOUR SERVICE.
1	PSV-100	MERCER	1 1/2" 300# FLANGED INLET X 2" 150# FLANGED OUTLET PRESSURE RELIEF VALVE MODEL 9100. NACE SERVICE TRIM. WCB STEEL BODY. 675 PSIG SET PRESSURE.
1	PI-100	NOUVA FIMA	PRESSURE GAUGE, LIQUID FILLED. 4" DIAMETER FACE X 1/2" NPT BOTTOM MOUNT END CONNECTION. S.S. CASE AND INTERNALS - DUAL SCALE. 0-1000 PSIG RANGE.
1	PI-101	NOUVA FIMA	PRESSURE GAUGE, LIQUID FILLED. 2 1/2" DIAMETER FACE X 1/4" NPT BOTTOM MOUNT END CONNECTION. S.S. CASE AND INTERNALS - DUAL SCALE. 0-200 PSIG RANGE.
1	TI-100	NOUVA FIMA	3" DIAL X 6" STEM X 1/2" NPT BACK CONNECTION, DUAL SCALE. -40°F TO 160°F RANGE C/W 1/2" FNPT X 3/4" MNPT X 6" U DIMENSION LENGTH - 316 STAINLESS STEEL THERMOWELL.
2	PRV-025/PRV-026	FISHER	1/4" FNPT MODEL 67CFR-362 PRESSURE REGULATOR. STD. SERVICE TRIM 0 - 35 PSIG RANGE, 250 PSIG MAWP.
2	H-300/H-400	CISCAN	CATADYNE 12,000 BTU/HR HEATER (24 X 24) NATURAL GAS. 12 VDC STARTING ELEMENT C/W 30' CABLES, REGULATOR, SAFETY SHUT OFF, THERMOSTAT - MODEL AC-TC-4000N-7, GRILL AND VENT HOOD.
	SDV-100		CUSTOMER SUPPLIED AND INSTALLED IN THE FIELD.
	PT-100		CUSTOMER SUPPLIED AND INSTALLED IN THE FIELD.

AS BUILT

NO.	DATE	REVISION	BY	APP
2	07-03-26	FINAL AS-BUILT	CK	CK
1	07-02-14	UPDATE TO WEST ENERGY'S REQUIREMENTS	CK	CK
0	07-01-03	ISSUED FOR CONSTRUCTION	CK	CK



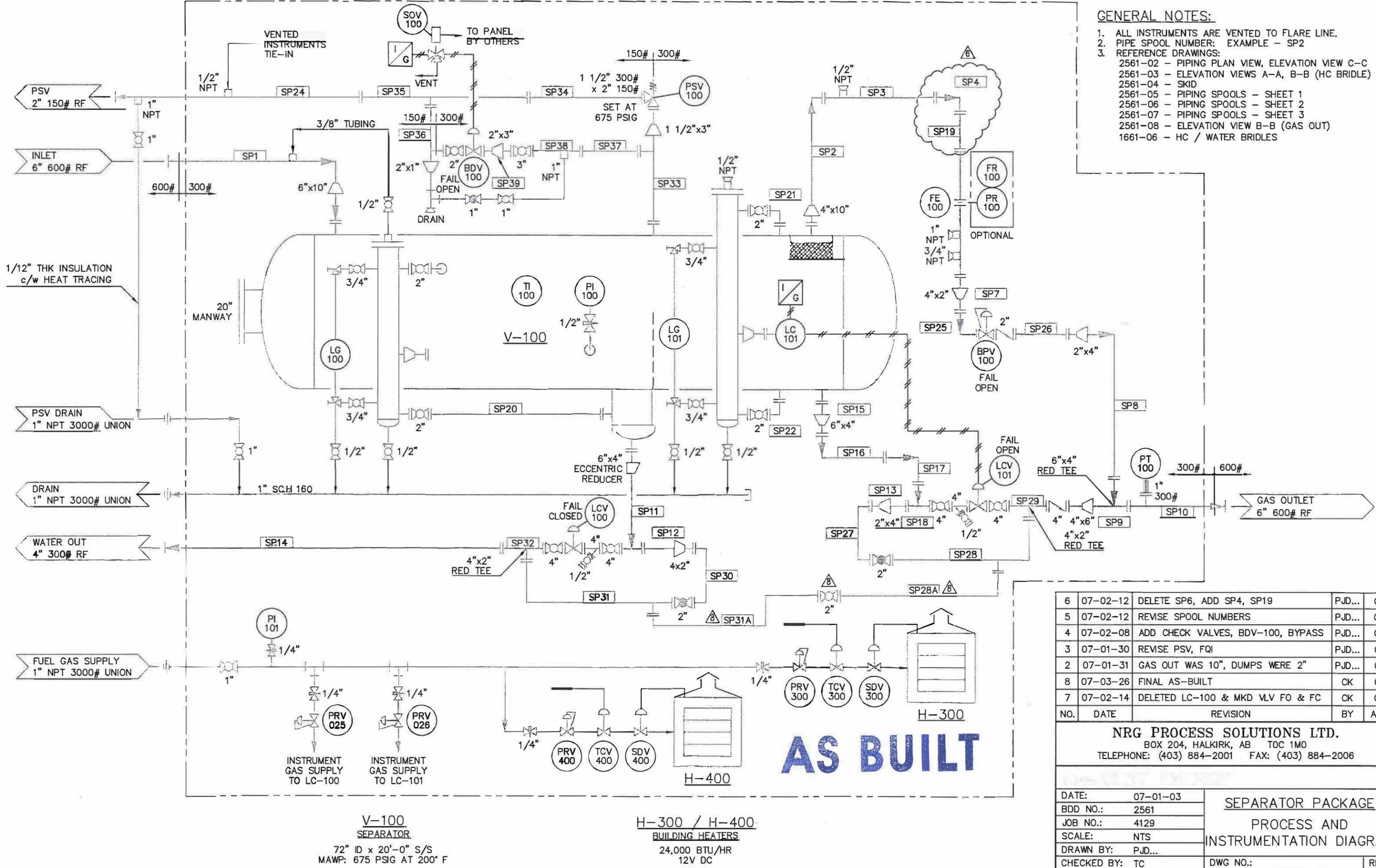
TANKSTORE LTD.

Box 100
Halkirk, Alberta,
Canada, T0C 1M0
403 884 2001

DATE 2007-01-03	CLIENT WEST ENERGY C/O NRG PROCESS SOLUTION		
DESIGNED BY	TITLE BILL OF MATERIALS & NOTES FOR 72" OD X 20' S/S 3 PHASE SOUR HORIZONTAL SEPARATOR PACKAGE. DESIGN PRESSURE: 675 PSIG @ 200°F		
DRAWN BY C. KELLY	PROJECT NO. 4129BOM	FILENAME 4129 BOM DRAWING	REFERENCE NO.
CHECKED BY	SHEET NO. 1 OF 1	DRAWING NO. 4129 BOM	REV. NO.
APPROVED BY	SCALE NTS		

THIS DRAWING IS THE PROPERTY OF NRG PROCESS SOLUTIONS LTD. IT MAY NOT BE REPRODUCED WITHOUT THE PERMISSION OF NRG PROCESS SOLUTIONS LTD.

SKID LIMITS



- GENERAL NOTES:**
1. ALL INSTRUMENTS ARE VENTED TO FLARE LINE.
 2. PIPE SPOOL NUMBER: EXAMPLE - SP2
 3. REFERENCE DRAWINGS:
 2561-02 - PIPING PLAN VIEW, ELEVATION VIEW C-C
 2561-03 - ELEVATION VIEWS A-A, B-B (HC BRIDLE)
 2561-04 - SKID
 2561-05 - PIPING SPOOLS - SHEET 1
 2561-06 - PIPING SPOOLS - SHEET 2
 2561-07 - PIPING SPOOLS - SHEET 3
 2561-08 - ELEVATION VIEW B-B (GAS OUT)
 1661-06 - HC / WATER BRIDLES

AS BUILT

NO.	DATE	REVISION	BY	APP
6	07-02-12	DELETE SP6, ADD SP4, SP19	PJD...	CT
5	07-02-12	REVISE SPOOL NUMBERS	PJD...	CT
4	07-02-08	ADD CHECK VALVES, BDV-100, BYPASS	PJD...	CT
3	07-01-30	REVISE PSV, FQI	PJD...	CT
2	07-01-31	GAS OUT WAS 10", DUMPS WERE 2"	PJD...	CT
8	07-03-26	FINAL AS-BUILT	CK	CK
7	07-02-14	DELETED LC-100 & MKD VLV FO & FC	CK	CK

NRG PROCESS SOLUTIONS LTD.
 BOX 204, HALKIRK, AB T0C 1M0
 TELEPHONE: (403) 884-2001 FAX: (403) 884-2006

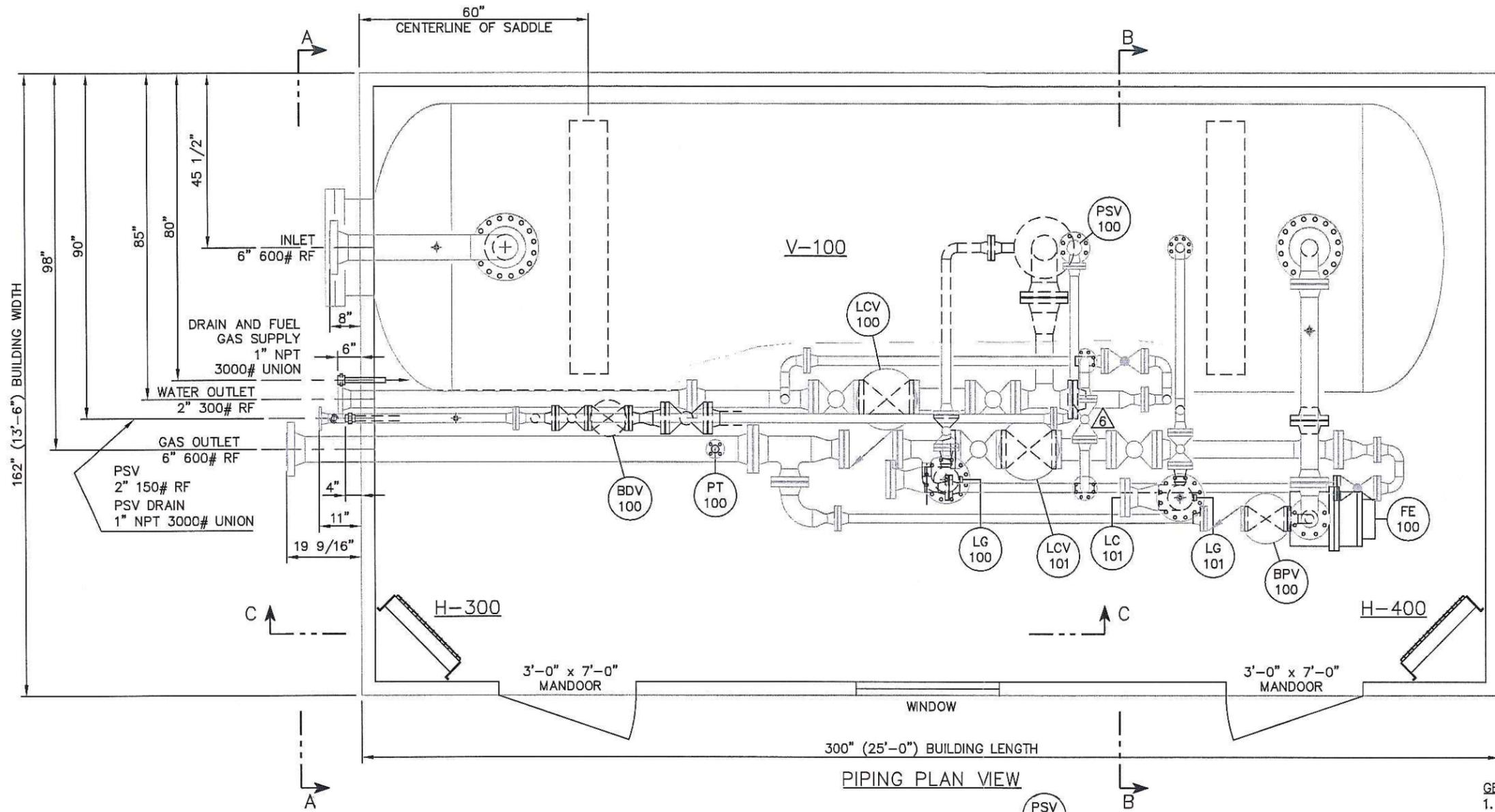
DATE: 07-01-03	SEPARATOR PACKAGE
BDD NO.: 2561	
JOB NO.: 4129	PROCESS AND INSTRUMENTATION DIAGRAM
SCALE: NTS	
DRAWN BY: PJD...	DWG NO.: 2561-01
CHECKED BY: TC	
APP BY:	
	REV. 8

V-100 SEPARATOR
 72" ID x 20'-0" S/S
 MAWP: 675 PSIG AT 200° F

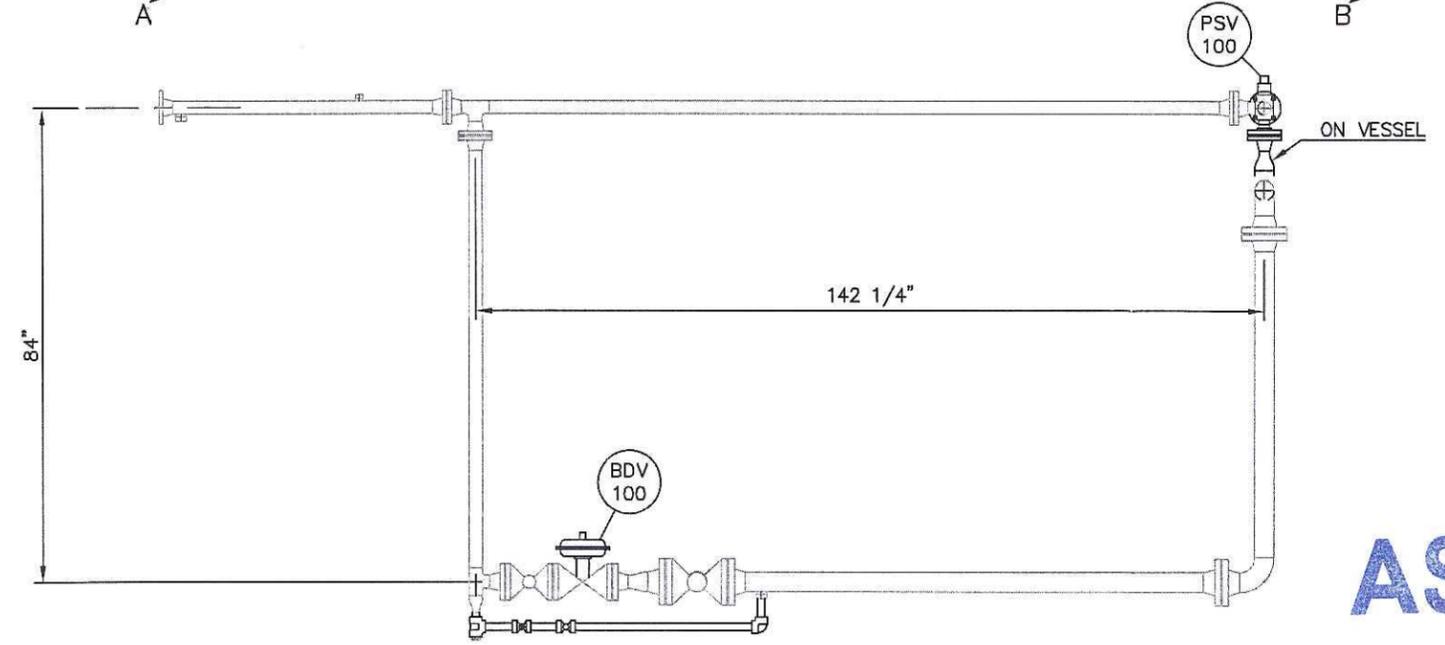
H-300 / H-400 BUILDING HEATERS
 24,000 BTU/HR
 12V DC

IT MAY NOT BE REPRODUCED WITHOUT THE PERMISSION OF NRG PROCESS SOLUTIONS LTD.

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PIPING PLAN VIEW



ELEVATION VIEW C-C

GENERAL NOTES:
1. UNDERSIDE OF SKID ELEVATION: 000"

NO.	DATE	REVISION	BY	APP
7	07-03-26	FINAL AS-BUILT	CK	CK
6	07-03-24	ADD BYPASS	PJD...	CK
5	07-02-14	REMOVE LC-100	CK	CK
4	07-02-12	REVISE VIEW C-C	PJD...	CT
3	07-02-12	ADD CHECK VALVES, BDV-100, BYPASS	PJD...	CT
2	07-01-31	ISSUED FOR CONSTRUCTION	PJD...	CT
1	07-01-30	REVISED, ISSUED FOR APPROVAL	PJD...	CT
0	07-01-03	ISSUED FOR APPROVAL	PJD...	TC

NRG PROCESS SOLUTIONS LTD.
BOX 204, HALKIRK, AB T0C 1M0
TELEPHONE: (403) 884-2001 FAX: (403) 884-2006

CLIENT: —	SEPARATOR PACKAGE	
DATE: 07-01-03		
BDD NO.: 2561	PIPING PLAN VIEW	
JOB NO.: 4129	13'-6" x 25'-0" LONG	
SCALE: NTS		
DRAWN BY: PJD...		
CHECKED BY: TC	DWG NO.: 2561-02	REV. 7
APP BY:		

AS BUILT