



BILL OF MATERIAL					
ITEM	REQ'D	DESCRIPTION	MATERIAL	WEIGHT	
1	2	2438 O.D. S.E. 2:1 HEAD 51 SF 19.1 NOM (3/4")	SA51670N		
2	3	2438 O.D. x 3048 LG ROLL CAN 19.1 NOM. (3/4")	SA51670N		
3	2	SADDLE 12.7 THK. PLATE C.T.S.	SA36/44W		
4	2	BASE 19.1 THK. PLATE C.T.S.	SA36/44W		
5	1	610 O.D. 150# SMLS SCH XH	SA106B		
6	2	324 O.D. SMLS SCH XH	SA106B		
7	2	114 O.D. SMLS SCH 160	SA106B		
8	5	60 O.D. SMLS SCH 160	SA106B		
9	1	610 O.D. 150# RFWN SCH XH	SA106N		
10	2	324 O.D. RFWN SCH XH	SA106N		
11	2	114 O.D. RFWN SCH 160	SA106N		
12	5	60 O.D. RFWN SCH 160	SA106N		
13	1	24" 150# RF BLIND	SA106N		
14	3	60 NPT 6000# CPLG S.S.	SA182/316L		
15	3	33 NPT 6000# CPLG S.S.	SA182/316L		
16	3	27 NPT 6000# CPLG S.S.	SA182/316L		
17	1	21 NPT 6000# CPLG S.S.	SA182/316L		
18	1	M1 REPAD 965# x 19.1 THK. (3/4")	SA51670N		
19	2	N1,N2 REPAD 508# x 19.1 THK. (3/4")	SA51670N		
20	1	INLET BAFFLE 6.4 THK. PLATE C.T.S.	SA240/316L		
21	1	WESTFAB STD NAME PLATE C/W BRACKET	SA36/44W		
22	1	DEMISTER PAD 2438# x 152 THK 9#/CU. FT.	316L		
23	AR	50mm x 9.5 THK FLAT BAR C.T.S. - DEMISTER SUPPORT	SA36/44W		
24	AR	S.S. CLIP 25 x 50 x 9.5 THK. FLAT	SA240/316L		
25	2	VORTEX BREAKER 6.4 THK. PLATE C.T.S.	SA240/316L		
26	1	WESTFAB STD MANWAY DAVIT	SA36/44W		
27	2	LIFTING LUG 38.1 (1 1/2") THK C.T.S.	SA36/44W		
28	1	L50x50x6 THK C.T.S. - DEMISTER BOTTOM SUPPORT	SA36/44W		
29	1	24" 150# RF FLEXITALLIC GASKET	T316SS		
30	20	1 1/4" x 6 3/4" LG STUD c/w 2 NUTS	A193-B7M/A194-3HM		
31	1	BUILDING RING 50x6.4 THK. FLAT ROLL HARDWAY 2438 I.D.	SA36/44W		
32	24	INSULATION CLIP 50x32x6.4 THK. FLAT	SA36/44W		
33	1	INSULATION RING 1/4" ø ROUND BAR	SA36/44W		

NOTES:

- ALTA REG. QUALITY PROG'M-AQP1186
- ALTA REG. WELDING PROCEDURES-WP1235.2
- MIN. DESIGN METAL TEMP. -20° F AT 280 psi
- NO IMPACT TESTS REQ'D PER UG 20 F, 1-5.
- APPROXIMATE VESSEL VOLUME: 1004 CU. FT.
- SHIPPING WEIGHT: 28,500 LBS.
- WEIGHT FULL OF WATER: 128,500 LBS.
- TACK WELD & ATTACHMENT PROCEDURE No: WF#1, WF#5, WF#8
- SHOP MAY SUBSTITUTE THE FOLLOWING MAT'L FOR THOSE LISTED: PIPE SA333GR6 FOR SA106B; FORGINGS SA350LF2 FOR SA105N; FITTINGS SA420WPL6 FOR SA234WPB.
- PAINT SPEC.: SSPC-SP6, PRIME w/ 1 C CLOVERDALE RUSTEX 71029; FINISH w/ 1 C CLOVERDALE ENAMEL WARM GREY 2553 INTERNAL COAT: SSPC-SP6, 10-20 MILS ENVIROLINE EC415.
- FABRICATION TOLERANCE TO BE ±1/8"; ±0.30" UNLESS OTHERWISE SPECIFIED.

NOZZLE SCHEDULE									
MARK	SIZE	QTY.	RATING	TYPE	DESCRIPTION	ITEM No.	(H) MM		
N1	324	1	150#	RFWN	INLET	6,10,19			I,V
N2	324	1	150#	RFWN	GAS OUTLET	6,10,19			I,V
N3	60	1	150#	RFWN	LIQUID OUTLET	8,12			I,II
N4	114	1	150#	RFWN	LIQUID OUTLET	7,11			I,II
N5	60	1	150#	RFWN	DRAIN	8,12			FLUSH, I,V
N6	60	1	150#	RFWN	OVERHEADS INLET	8,12			I,II
N7	114	1	150#	RFWN	SPARE	7,11			I,II
N8A,B	60	2	150#	RFWN	LT	8,12			I,II
C1	60	1	8000#	CPLG	LSH	14		10	VIII A
C2	60	1	8000#	CPLG	LSH (FUTURE)	14		10	VIII A
C3	60	1	8000#	CPLG	LSH (FUTURE)	14		10	VIII A
C4,B	27	2	8000#	CPLG	LG	16			IX A
C5	21	1	8000#	CPLG	PI	17			IX A
C6	27	1	8000#	CPLG	TI	16			IX A
C7	33	1	8000#	CPLG	PT	15			IX A
C8	33	1	8000#	CPLG	SPARE	15			IX A
C9	33	1	8000#	CPLG	SPARE	15			IX A
M1	610	1	150#	RFWN	MANWAY	5,9,13,18,26,29,30		25	I,VI

DESIGN DATA

Design Press: 1931 kPa (280 psi) MAWP: 280 psi

Design Temp: 38°C (100°F)

Corrosion All: NIL

Test Press: 2510 kPa (364 psi)

X-Ray: UV11ASb CRT-2

Stress Relief: NIL

Serial No: VF-05-79

C.R.N. No: T28912

Location: LSD II-17-63-06 WSM

ASME Code: SEC. VIII, DIV. 1, 2001 ED. 03 ADD.

Paint Spec: SEE NOTE 10

Head Thick: 17.4625MM/0.6875" Min. after Forming

Drawn: RLE

Date: MAY 18, 2005

Scale: 1:20

Check: HP

App'd: RT

Customer: BDR/FORT ENERGY/CLEARWATER

Job No: 43874

WESTFAB INDUSTRIES LTD. 1575-51 STREET S.E., CALGARY, ALBERTA T2C 4A6

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Rev. 1 REVISED DESIGN PRESS. ST 06/29/05

Rev. 0 ISSUED FOR CONSTRUCTION RLE 06/01/05 RT 06/01/05

Title: INLET SEPARATOR V-100 Drawing Number: WF-05-510