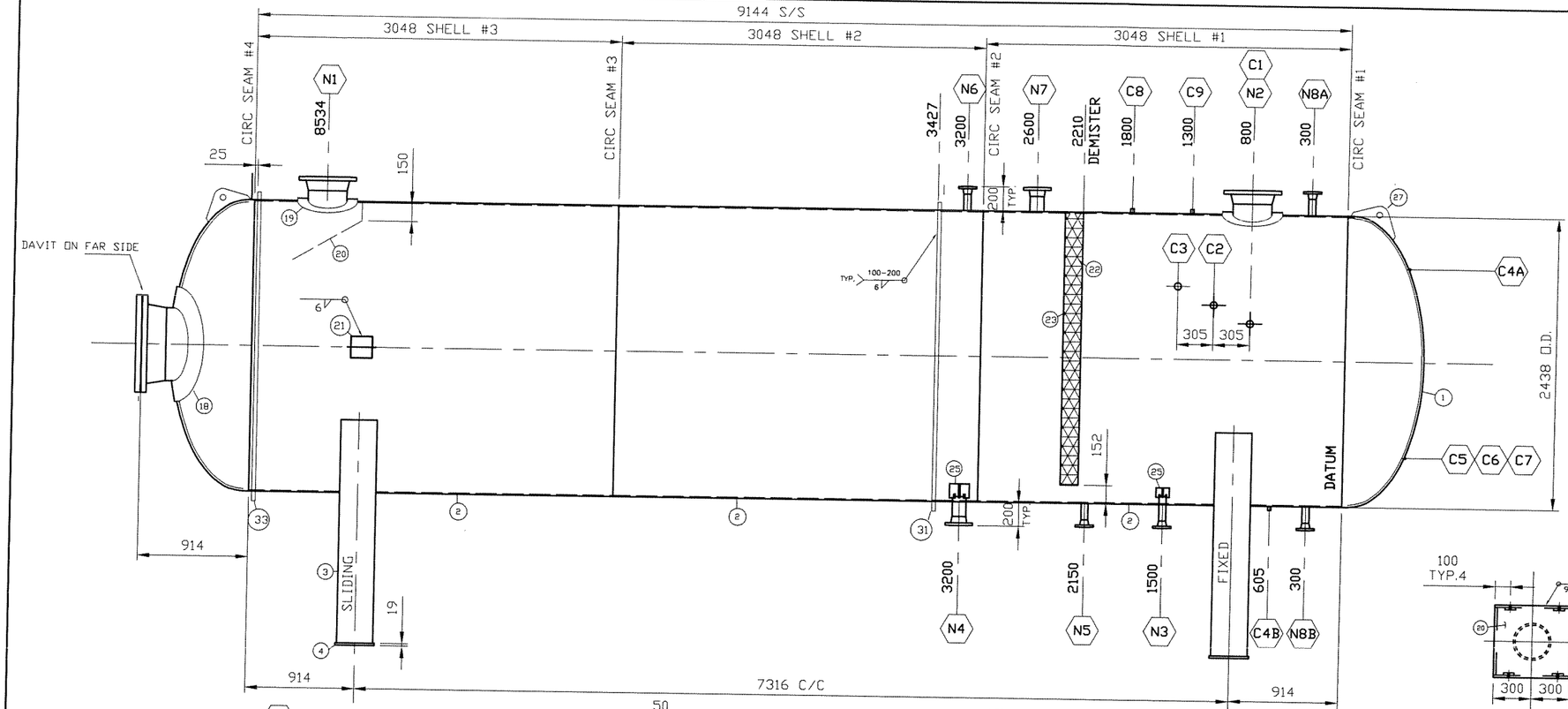
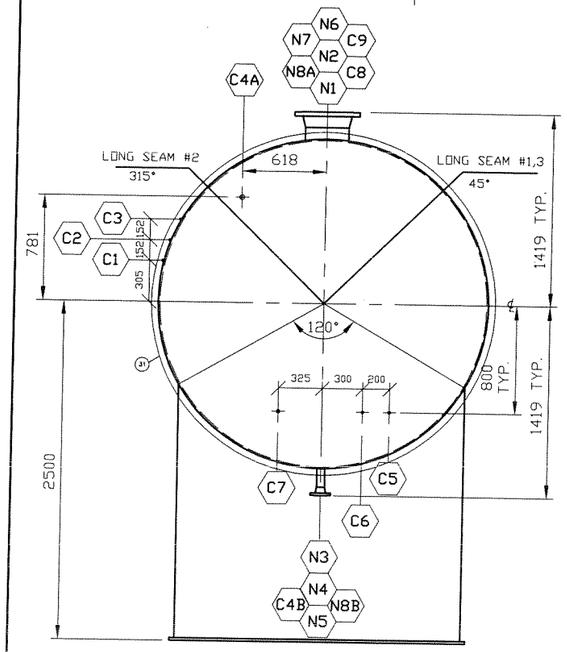
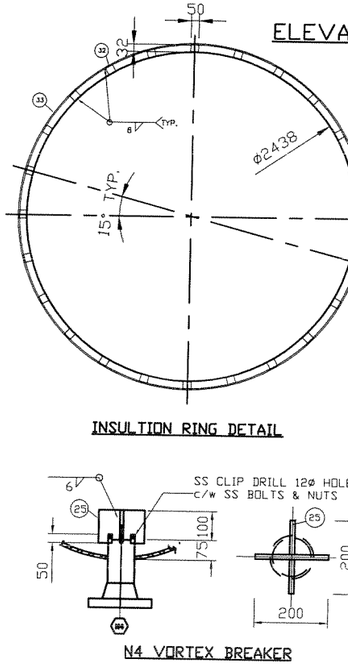


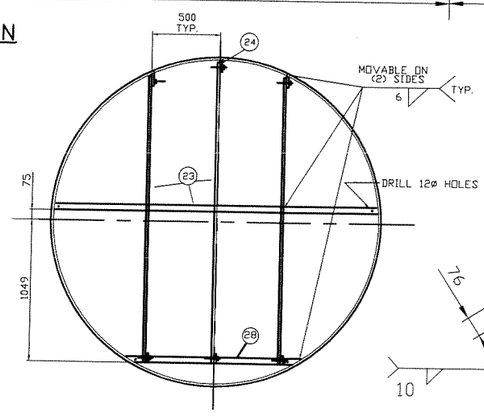
ELEVATION



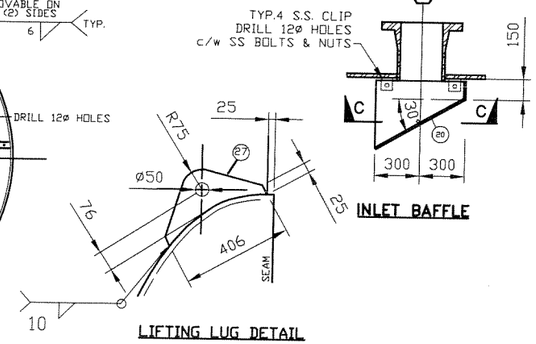
R.H. END VIEW



INSULTION RING DETAIL

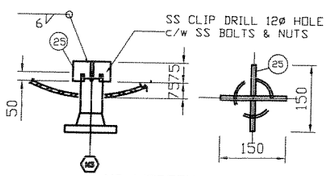


MESH SUPPORT DETAIL

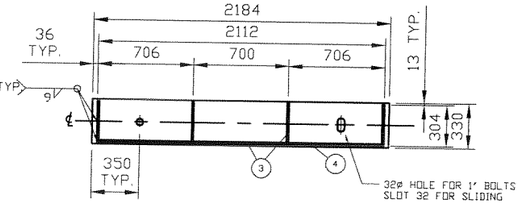


LIFTING LUG DETAIL

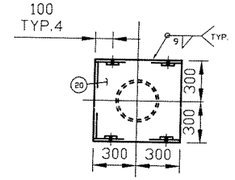
N4 VORTEX BREAKER



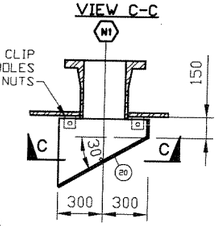
N3 VORTEX BREAKER



SADDLE DETAILS



VIEW C-C



INLET BAFFLE

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	SA105N	
10	2	324 O.D. RFWN SCH XH	SA105N	
11	2	114 O.D. RFWN SCH 160	SA105N	
12	5	60 O.D. RFWN SCH 160	SA105N	
13	1	24" 150# RF BLIND	SA105N	
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 CTS – 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/A194-2HM	
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:
1. ALTA. REG. QUALITY PROG'M–AQP1186
2. ALTA. REG. WELDING PROCEDURES–WP1235.2
3. MIN. DESIGN METAL TEMP. **-20° F** AT **280 psi.**
4. **NO** IMPACT TESTS REQ'D PER UG 20 F, 1–5.
5. APPROXIIMATE VESSEL VOLUME: **1604 Cu. Ft.**
6. SHIPPING WEIGHT: **28,500 LBS.**
7. WEIGHT FULL OF WATER: **128,500 LBS.**
8. TACK WELD & ATTACHMENT PROCEDURE No:**WF#1, WF#3, WF#8**
9. SHOP MAY SUBSTITUTE THE FOLLOWING MAT'L FOR THOSE LISTED: PIPE SA333GR6 FOR SA106B; FORGINGS SA350LF2 FOR SA105N; FITTINGS SA420WPL6 FOR SA234WPB.
10. PAINT SPEC.: SSPC–SP6, PRIME w/ 1 C CLOVERDALE RUSTEX 71029; FINISH w/ 1 C CLOVERDALE ENAMEL WARM GREY 2553 INTERNAL COAT: SSPC–SP5, 10–20 MILS ENVIROLINE EC415.
11. FABRICATION TOLERANCE TO BE ±1/8", ±0°30' UNLESS OTHERWISE SPECIFIED.

VESSEL C.R.N. STAMP

NOZZLE SCHEDULE

MARK	SIZE MM (O.D.)	QTY.	RATING	TYPE	DESCRIPTION	ITEM No.	(H) MM INT. PROJ.	WELD
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	9,12	16	I,II
N4	114	1	150#	RFWN	LIQUID OUTLET	7,11	19	I,III
N5	60	1	150#	RFWN	DRAIN	9,12	FLUSH.	I,IV
N6	60	1	150#	RFWN	OVERHEADS INLET	9,12	16	I,II
N7	114	1	150#	RFWN	SPARE	7,11	19	I,III
N8A,B	60	2	150#	RFWN	LT	9,12	16	I,II
C1	60	1	6000#	CPLG	LSH	14	10	VIII ⚠
C2	60	1	6000#	CPLG	LSH (FUTURE)	14	10	VIII ⚠
C3	60	1	6000#	CPLG	LSH (FUTURE)	14	10	VIII ⚠
C4,B	27	2	6000#	CPLG	LG	16	–	IX ⚠
C5	21	1	6000#	CPLG	PI	17	–	IX ⚠
C6	27	1	6000#	CPLG	TI	16	–	IX ⚠
C7	33	1	6000#	CPLG	PT	15	–	IX ⚠
C8	33	1	6000#	CPLG	SPARE	15	–	IX ⚠
C9	33	1	6000#	CPLG	SPARE	15	–	IX ⚠
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	Serial No.	WF-05-79
Design Temp.	38°C (100°F)	C.R.N. No.	T2891.2
Corrosion All.	NIL	Location	LSD: 11-17-63-06 W5M
⚠ Test Press.	2510 kPa (364 psi)	ASME Code	SEC. VIII, DIV. 1, 2001 ED. 03 ADD.
X-Ray	UW11A5b (RT-2)	Paint Spec.	SEE NOTE 10
Stress Relief	NIL	Head Thick.	17.4625MM/0.6875" Min. after Forming

1	REVISED DESIGN PRESS.	ST	06/29/05		
	ADDED WELD DETAILS VIII, IX & NOTE #11				
0	ISSUED FOR CONSTRUCTION	RLE	06/01/05	RT	06/01/05
Rev.	Description	by	Date	App'd	Date

Drawn	RLE
Date	MAY 18, 2005.
Scale	1:20
Check	HP
App'd.	RT

WESTFAB INDUSTRIES LTD. 7575-51 STREET S.E., CALGARY, ALBERTA T2C 4A6 TELEPHONE: (403) 279-2000 FAX: 279-2006

Customer: BDR/FORT ENERGY/CLEARWATER JOB# 43874

Title: INLET SEPARATOR V-100
2438 MM O.D. X 9144 MM S/S

Drawing Number: WF-05-510 Revision: 1