



BILL OF MATERIAL					
ITEM	REQ'D	DESCRIPTION	MATERIAL	WEIGHT	
1	3	10'-0"(3048) I.D. x 10'-0"(3048) L.O. x 3/8"(9.5) THK. NOM. ROLL. CAN (3/8")	SA51670N		
2	2	10'-0"(3048) I.D. 2:1 S.E. 2"(50) S.F. 3/8"(9.5) THK. NOM.	SA51670N		
3	2	SADDLE 3/8"(9.5) THK PLATE CTS	SA36/44W		
4	2	BASE 19"(483) x 106 1/2"(2705) x 7/8"(22) THK PLATE	SA36/44W		
5	1	24"(610) 150# RF BLIND	SA105N		
6	1	24"(610) 150# RFWN XH	SA105N		
7	2	16"(406) 150# RFWN XH	SA105N		
8	1	3"(89) 150# RFWN SCH XH	SA105N		
9	2	2"(60) 150# RFWN SCH XH	SA105N		
10	1	24"(610) SMLS SCH XH C.T.S.	SA106B		
11	2	16"(406) SMLS SCH XH C.T.S.	SA106B		
12	1	3"(89) SMLS SCH XH C.T.S.	SA106B		
13	2	2"(60) SMLS SCH XH C.T.S.	SA106B		
14	2	2"(60) NPT 3000# S.S. CPLG	SA182/318L		
15	2	3/4"(27) NPT 6000# S.S. CPLG	SA182/318L		
16	2	LIFTING LUG 1"(25.4) THK. C.T.S.	SA36/44W		
17	1	24"(610) 150# RF FLEXI-GASKET S.S.	T316SS		
18	20	1 1/4" x 6 3/4" SA193B7 STUDS C/W 2-SA1942H NUTS	-		
19	1	WESTFAB STD MANWAY DAVIT	SA36/44W		
20	2	LIFING LUG REPAD 20"(508)L x 12"(305)W x 3/4"(19) THK	SA36/44W		
21	2	WEAR PLATE 138 9/16"(3519)L x 19"(483)W x 3/8"(9.5) THK. ROLL TO 120 3/4"(3068) I.D.	SA36/44W		
22	1	WESTFAB STD NAME PLATE	SA36/44W		
23	2	3"(89) 150# RF SO	SA182/318L		
24	1	3"(89) O.D. SMLS SCH 10S C.T.S.	SA312/318L		
25	1	INLET BAFFLE 1/4"(6.4) THK. PLATE C.T.S.	SA240/318L		
26	AR	S.S. CLIP 1"(25) x 2"(50) x 3/8"(9.5) THK. FLAT	SA240/318L		
27	1	S.S. PIPE SUPPORT 2"(50) x 3/8"(9.5) THK. FLAT C.T.S.	SA240/318L		
28	48	INSULATION CLIP 2"(50) x 1 1/4"(32) x 1/4"(6.4) THK. FLAT	SA36/44W		
29	2	INSULATION RING 1/4" ROUND BAR	SA36/44W		
31	1	3" (89) O.D. WELD CAP SCH 10S	SA403/318L		

NOTES:
 1. ALTA. REG. QUALITY PROG-W-AQP1186
 2. ALTA. REG. WELDING PROCEDURES-WP1235.2
 3. MIN. DESIGN METAL TEMP. -20°F AT 50 PSF
 4. NO IMPACT TESTS REQ'D PER UG 20 F
 5. APPROXIMATE VESSEL VOLUME: 2,850 Cu. Ft. (75.6 Cu. M)
 6. SHIPPING FULL OF WATER: 180,000 LBS. (80,183 KGS)
 7. WEIGHT FULL OF WATER: 180,000 LBS. (80,183 KGS)
 8. TACK WELD & ATTACHMENT PROCEDURE: WF#1, WF#3, WF#7, WF#8
 9. EXTERNAL - SSPC, SP-6, CLOVERDALE RUSTEX 71029 PRIME.
 INTERNAL - SSPC, SP-5, 12-25 MILS DEVCO 253.
 10. SHOP MAY SUBSTITUTE THE FOLLOWING MAT'L FOR THOSE LISTED: PIPE SA333GR6 FOR SA106B; FORGINGS SA350LF2 FOR SA105N; FITTINGS SA420WPL6 FOR SA234WPB.
 11. FABRICATION TOLERANCE TO BE ±1/8"; ±0.30" UNLESS OTHERWISE SPECIFIED.
 12. NS EXTERNAL DESIGN PRESSURE: 345 kpa (50psi) @ 100°F (38°C)
 TEST PRESSURE: EXTERNAL 448kpa (65psi)

NOZZLE SCHEDULE						
MARK	SIZE	QTY.	RATING	TYPE	DESCRIPTION	ITEM No.
N1	16"(406)	1	150#	RFWN	INLET	7,11
N2	16"(406)	1	150#	RFWN	GAS OUTLET	7,11
N3	2"(60)	1	150#	RFWN	LIQUID OUTLET	9,13
N4	2"(60)	1	150#	RFWN	DRAIN	9,13
N5	3"(89)	1	150#	RFWN	HEATING ELEMENT	8,12
C1	2"(60)	1	3000#	CPLG	LSH	14
C2	2"(60)	1	3000#	CPLG	LSH	14
C3A/B	3/4"(27)	2	6000#	CPLG	LG	15
M1	24"(610)	1	150#	RFWN	MANWAY	5,6,10,17,18,19

DESIGN DATA			
Design Press.	50 PSI (345 kPa)	MAWP	50 psi
Design Temp.	100°F (38°C)	Serial No.	WF-05-01
Corrosion All.	NIL	C.R.N. No.	
Test Press.	65 PSI (445 kPa)	Location	LSD: 11-17-63-06 WSM
X-Ray	SPOT (RT-3)	ASME Code	SEC. VIII DIV. 1, 2004 ED, 03 ADD
Stress Relief	NIL	Point Spec.	Notes: 9
		Head Thick.	0.3125" (7.9275mm) Min. after Forming.

WESTFAB		7575-51 STREET S.E., CALGARY, ALBERTA T2C 4A6	
INDUSTRIES LTD.	INDUSTRIES LTD.	TELEPHONE: (403) 278-2000	FAX: 278-2006

Customer: BDR / FORT ENERGY / CLEARWATER GAS PLANT
 Title: FLARE K.O. DRUM T-708
 10'-0"(3048) I.D. x 30'-0"(9144) S/S
 Drawing Number: WF-05-511
 Revision: 2

Rev.	Description	by	Date	APP'D	Date
2	REVISED R.H. END VIEW AND ADDED NOTE 12	ST	25/7/05		
1	REVISED HEATING ELEMENT	ST	21/6/05		21/6/05
0	ISSUED FOR CONSTRUCTION	ST	16/6/05		16/6/05