

DESIGN DATA

DESIGN & FABRICATE TO ASME SECTION VIII, DIV. I, 2004 EDITION

2005 ADDENDA

DESIGN PRESSURE: 1440 PSI (9928 KPA)

HYDROTEST: 2160 PSI (14892 KPA) LONG'L JOINT EFF: 100%

RADIOGRAPHY-CIRC. SEAMS-SPOT UW1(a)5(b) CORR. ALLOWANCE: 1/8" (3.17mm)

RADIOGRAPHY-LONG SEAMS FULL LIMITED BY: SHELL

P.W.H.T: (OPTIONAL)-60 MINUTES @ 1150°F (621°C) FLANGES: SA-105

M.A.W.P: 1440 PSI (9928 KPA) NOZZLES: SA-106-B

HEADS: SA-516-70N MIN: 23.8mm NOM: 25.4mm STUDS: 193-B7

SHELL: SA-516-70N NOM: 25.4mm NUTS: 194-2H

MIN. DESIGN METAL TEMP: -20°F (-29°C) MISC. PLATE: SA-36

EXEMPT FROM IMPACT TEST REQUIREMENTS AS PER UG 20(f) 1 TO 5

DESIGN TEMP: 129°F (54°C)

WELD FITTINGS: SA-234-WPB

COUPLINGS (T.O.L): SA-105

INTERNAL: SA-36

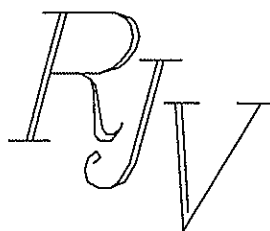
PRE-HEAT: 50°F (10°C)

SHIPPING WT: 2801 LBS. (1273 KG)

CAPACITY: 26.92 CU.FT. (.76 CU.METER)

PAINT:

CRN:



GAS FIELD SERVICES LTD.

4901 BRUCE RD VEGREVILLE, ALTA

T9C-1C3

PHONE (780) 632-7774

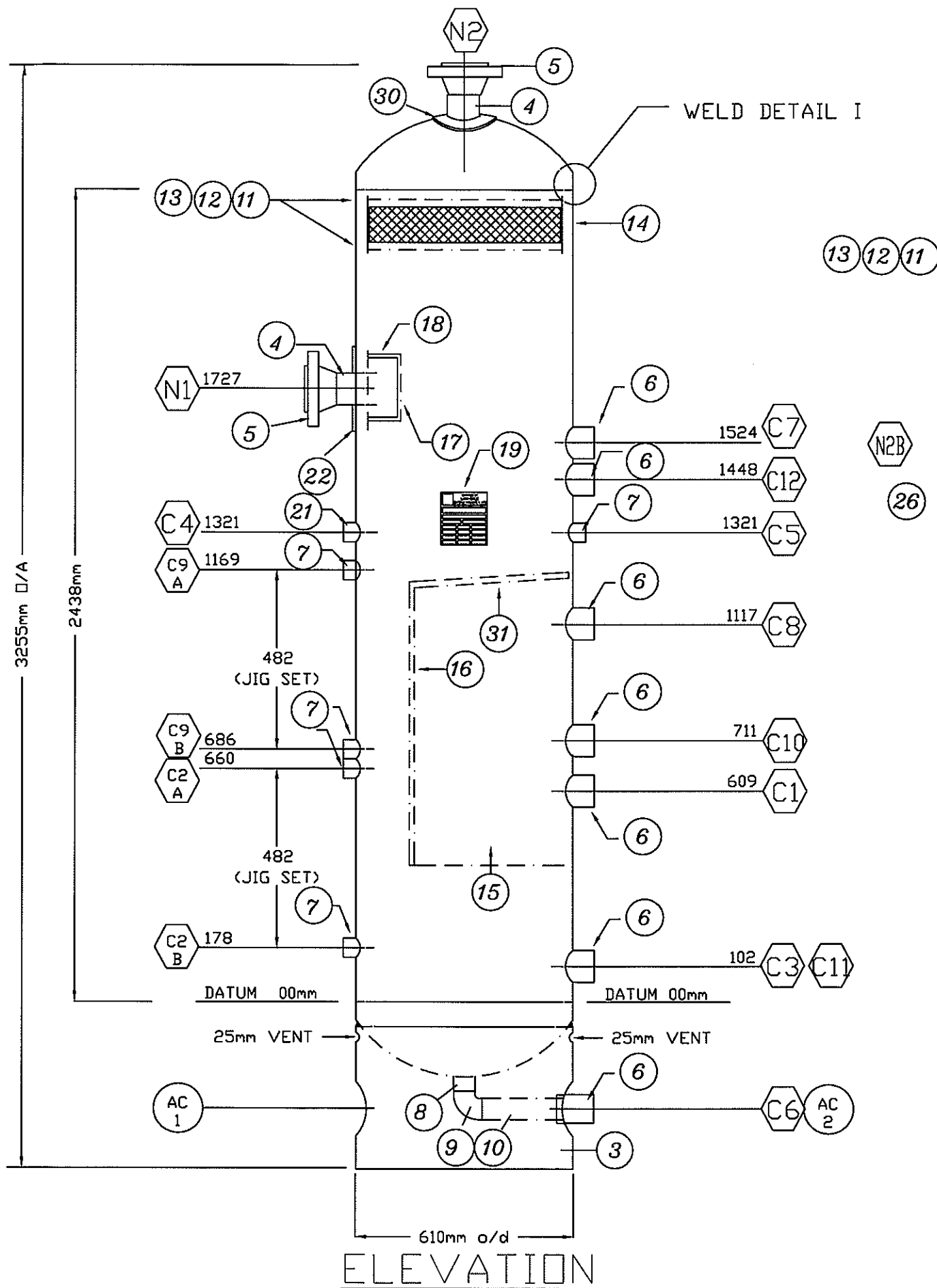
FAX (780) 632 6820

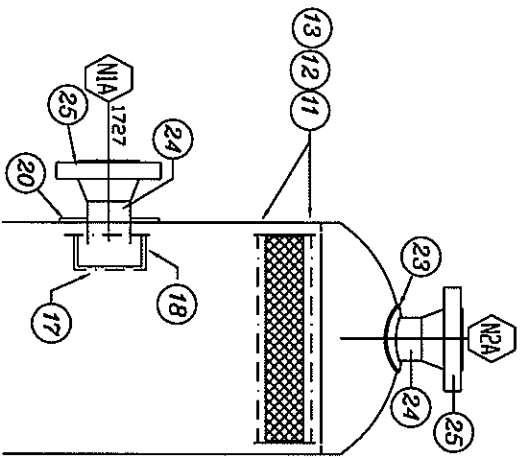
TITLE: 610mm $\square$ /D X 2438 sm/sm 9928 KPA
3 PHASE VERTICAL SEPARATOR

DWG. # V05-413

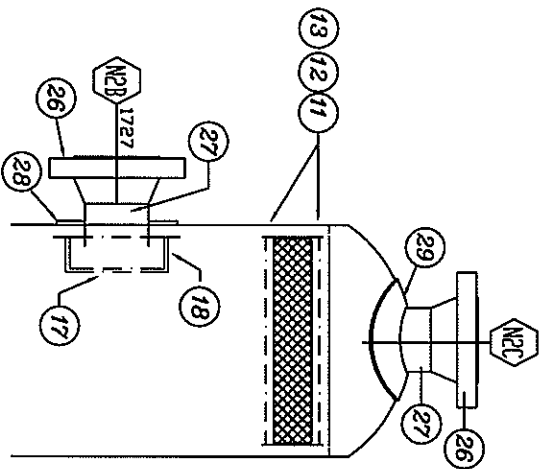
REV. # 0

SHEET OF

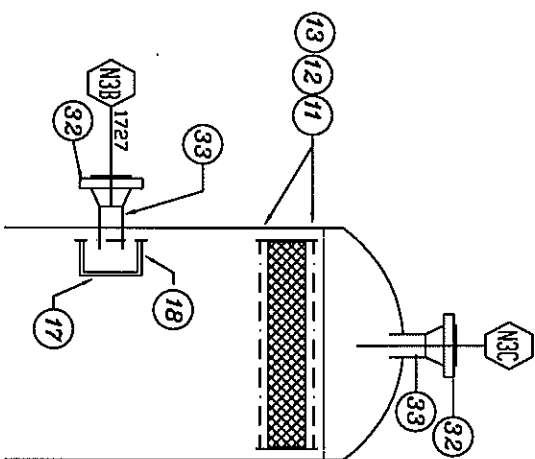




114.3mm INLET/OUTLET
(OPTIONAL)



168.3mm INLET/OUTLET
(OPTIONAL)



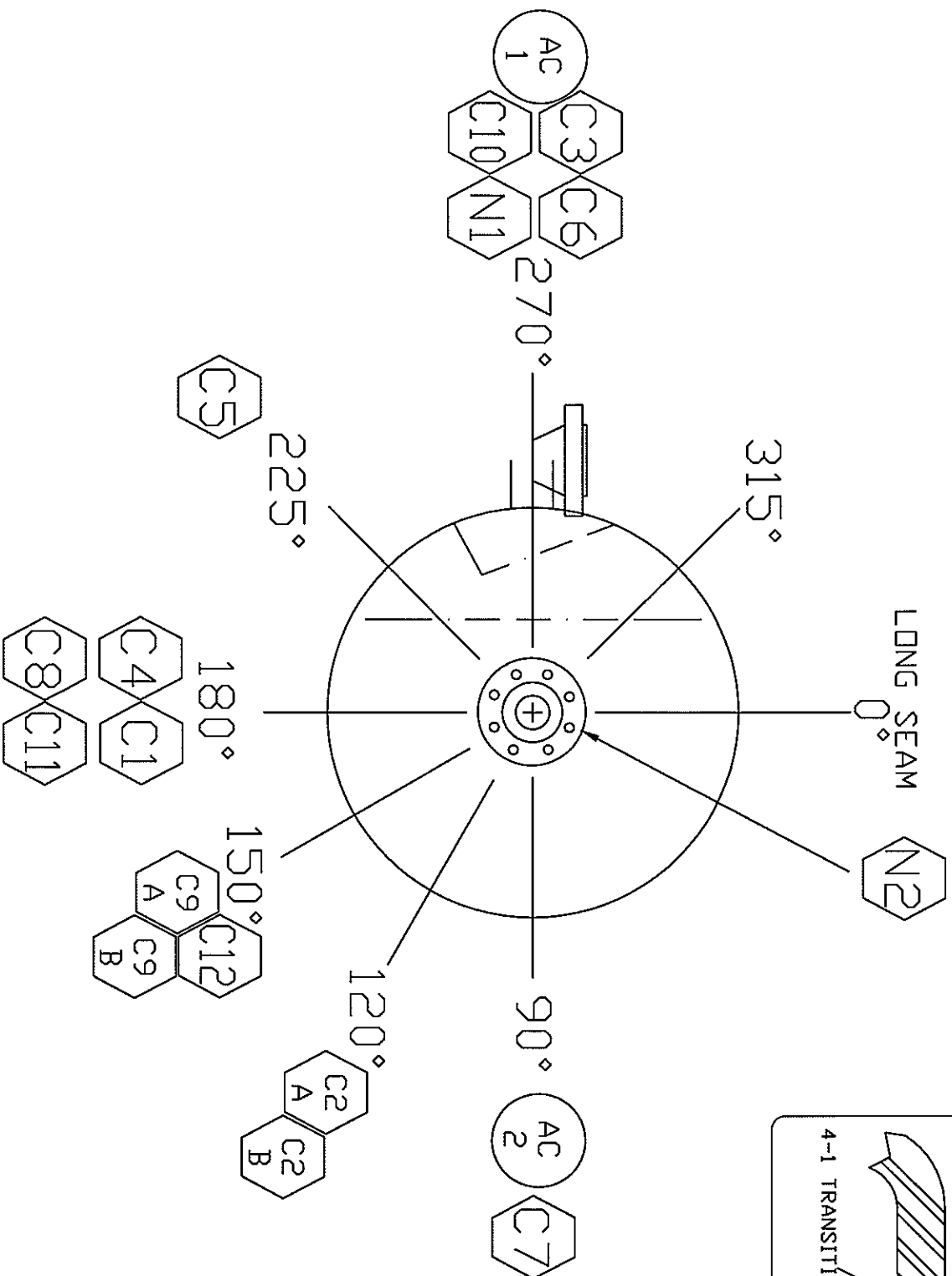
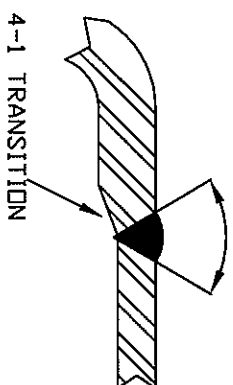
60.3mm INLET/OUTLET
(OPTIONAL)

WELD PROCEDURE #100

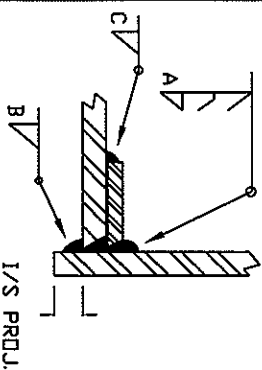
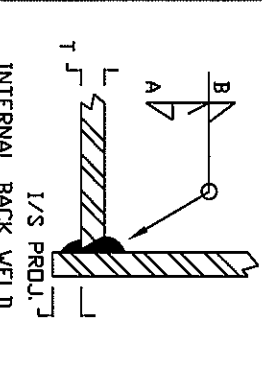
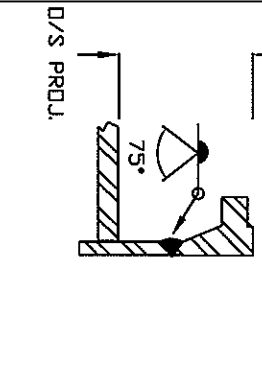
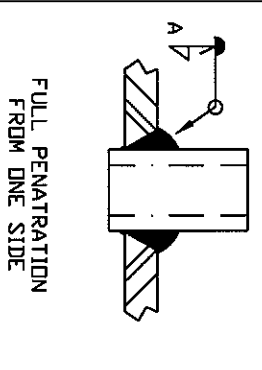
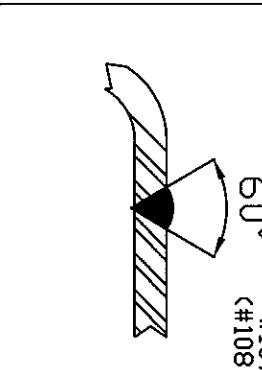
#101

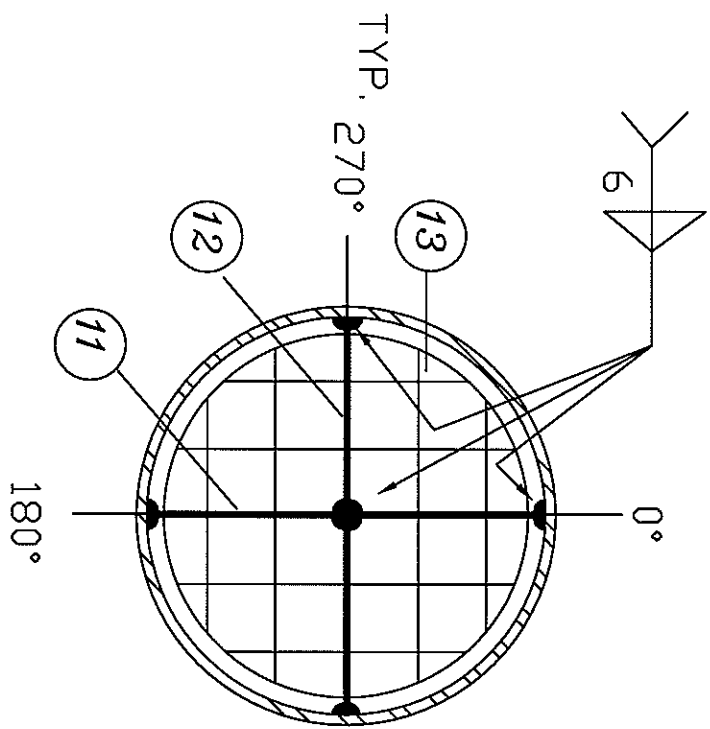
#107

(<#108)

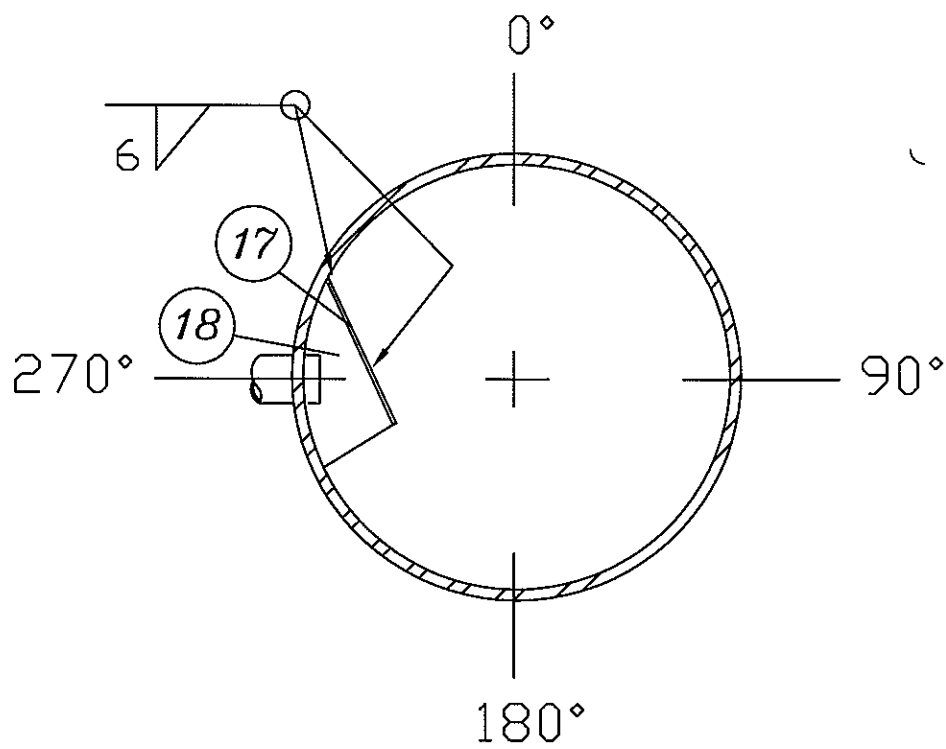


ORIENTATION

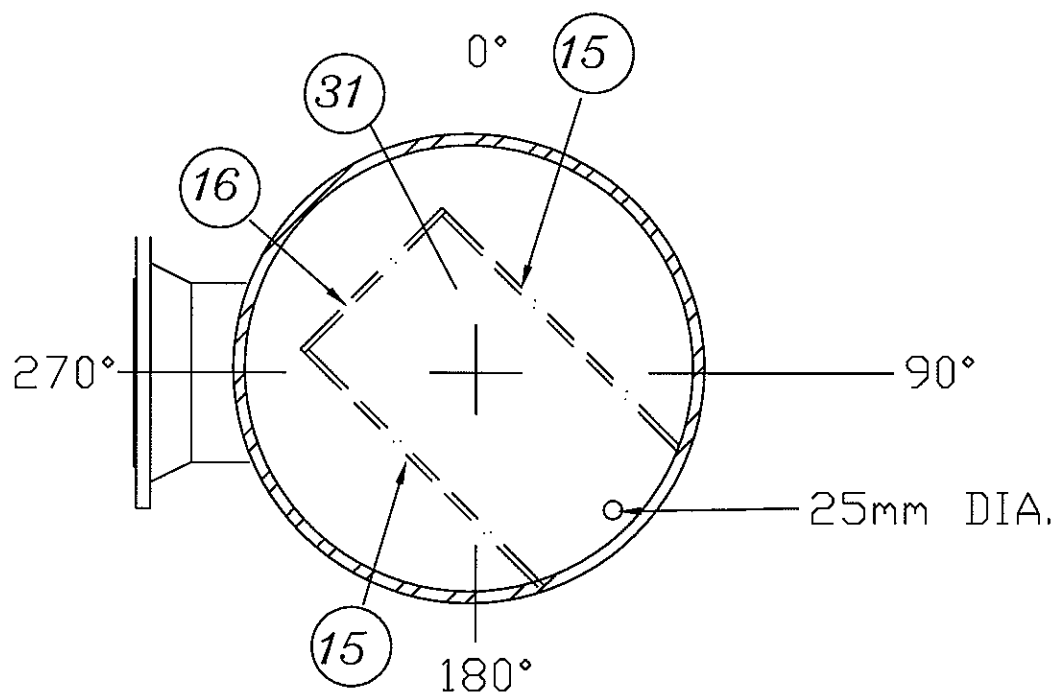
	V WELD PROCEDURE #100 (#104)		IV WELD PROCEDURE #100 (#104)		III WELD PROCEDURE #100 (#104)		II WELD PROCEDURE #100 (#104)		I WELD PROCEDURE #100 #101 #107 #108
--	---------------------------------	---	----------------------------------	--	-----------------------------------	---	----------------------------------	---	---



DETAIL-MISTEX SUPPORT



DETAIL-INLET DEFLECTOR



DETAIL-FLOAT BAFFLE

NOZZLE SCHEDULE

MARK	SIZE	RATING	TYPE	SERVICE	NOZZLE BORE	ITEM	PROJN I/S D/S	WELD DETAIL	WELD A	WELD B	SIZE	REMARKS
N1	88.9mm	600#	RFVN	INLET	SCHXXS	4,5,22	26mm16mm	111V	10mm6mm	6mm	95mm TK X 152 D.D. ROLLED REPAD	
N2	88.9mm	600#	RFVN	OUTLET	SCHXXS	4,5,30	26mm19mm	111V	10mm6mm	6mm	95mm TK X 127 D.D. DISHED REPAD	
N1A	114.3mm	600#	RFVN	INLET(OPTIONAL)	SCHXXS	20,24,25	32mm16mm	111V	10mm10mm	10mm	95mm TK X 178 D.D. ROLLED REPAD	
N2A	114.3mm	600#	RFVN	OUTLET(OPTIONAL)	SCHXXS	23,24,25	32mm19mm	111V	10mm10mm	6mm	95mm TK X 152 D.D. DISHED REPAD	
N2B	168.3mm	600#	RFVN	INLET(OPTIONAL)	SCH160	26,27,28	26mm19mm	111V	10mm6mm	3mm	158mm TK X 152 D.D. DISHED REPAD	
N2C	168.3mm	600#	RFVN	OUTLET(OPTIONAL)	SCH160	26,27,29	13mm19mm	111V	10mm6mm	10mm	127mm TK X 257 D.D. DISHED REPAD	
N3B	60.3mm	600#	RFVN	INLET(OPTIONAL)	SCH160	32,33	6mm19mm	111V	10mm6mm			
N3C	60.3mm	600#	RFVN	OUTLET(OPTIONAL)	SCH160	32,33	6mm19mm	111V	10mm6mm			
C1	60.3mm	6000#	CPLG	L.L.G. (WATER)		6	6mm43mm	IV	10mm6mm			
C2A,B	26.7mm	6000#	CPLG	L.L.G. (WATER)		7	6mm43mm	IV	10mm6mm			
C3	60.3mm	6000#	CPLG	LIQUID OUT(WATER)		6	6mm43mm	IV	10mm6mm			
C4	21.3mm	6000#	CPLG	PRESSURE INDICATOR		21	6mm46mm	IV	10mm6mm			
C5	26.7mm	6000#	CPLG	TEMP. INDICATOR		7	6mm46mm	IV	10mm6mm			
C6	60.3mm	6000#	CPLG	DRAIN	SCH160	6,8,9,10	6mm43mm	IV	10mm6mm			
C7	60.3mm	6000#	CPLG	P.S.V.(INSPECTION)		6	6mm43mm	IV	10mm6mm			
C8	60.3mm	6000#	CPLG	L.L.G. (OIL)		6	6mm46mm	IV	10mm6mm			
C9A,B	26.7mm	6000#	CPLG	L.L.G. (OIL)		7	6mm46mm	IV	10mm6mm			
C10	60.3mm	6000#	CPLG	LIQUID OUT (OIL)		6	6mm46mm	IV	10mm6mm			
C11	60.3mm	6000#	CPLG	INSPECTION		6	6mm43mm	IV	10mm6mm			
C12	60.3mm	6000#	CPLG	FUTURE HLSD		6	6mm43mm	IV	10mm6mm			
ACL2	150mm			SKIRT ACCESS								

*NOTE

ALL PIPE NOZZLES MUST BE
INSIDE EDGE RADIUSSED 1/8"
AS PER UW16(a)(3)

BILL OF MATERIALS

ITEM	QTY.	DESCRIPTION	MAT'L
1	2	NPS 24 X 25.4mm NDM. SMLS HEAD 24 S.E. 23.8mm MIN.	SA-516-70N
2	1	NPS 24 X 24.38mm ROLLED SHELL B.B.E. 25.4mm NDM.SA-516-70N	
3	1	NPS 24 X 356mm LG. 95mm WALL ERV BASE	SA-53-B
4	2	88.9mm X 152mm LG. B.D.E. SMLS PIPE SCH XXS	SA-106-B
5	2	88.9mm , 600 ANSI RFVN FLANGE SCH XXS BORE	SA-105
6	8	60.3mm NPT 6000# FULL COUPLING	SA-105
7	5	26.7mm 6000# FULL COUPLING	SA-105
8	1	60.3mm X 76mm LG. B.D.E. SMLS PIPE SCH 160	SA-106-B
9	1	60.3mm 90° L.R. BUTT WELD ELBOW SCH 160	SA-234-WB
10	1	60.3mm X 204mm LG. B.D.E. SMLS PIPE SCH 160	SA-106-B
11	1	550mm LG. X 6mm THK X 25.4mm V. MESH SUPPRT	SA-36
12	2	270mm LG. X 6mm THK X 25.4mm V. MESH SUPPRT	SA-36
13	2	550mm o/d X 25.4mm V. MESH PAD SUPPRT GRIDS	SA-36
14	1	584mm o/d X 152mm THK MISTEX PAD 304 S.S.	304SS
		KNITTED WIRE MESH @9lbs/CU. FT. DENSITY	
15	2	356mm WIDE X 1372mm LG. X 6mm THK FLOAT BAFFLE	SA-36
16	1	203mm WIDE X 1372mm LG. X 6mm THK FLOAT BAFFLE	SA-36
17	1	200mm LG X 178mm W X 6mm THK INLET DEFLECTOR	SA-36
18	2	200mm LG. X 140mm V X 6mm THK INLET DEFLECTOR	SA-36
19	1	NAME PLATE & 165mm LG. X 152mm WIDE CHANNEL	SA-36
20	1	9.5mm THK X 152mm D.D. DISHED REPAD	SA-516-70
21	1	21.3mm 6000# FULL COUPLING	SA-105
22	1	9.5mm THK X 178mm D.D. ROLLED REPAD	SA-516-70
23	1	6mm THK X 152mm D.D. DISHED REPAD	SA-516-70
24	2	114.3mm X 152mm LG. B.D.E. SMLS PIPE SCH XXS	SA-106-B
25	2	114.3mm X 600 ANSI RFVN FLANGE SCH XXS BORE	SA-105
26	2	168.3mm X 600 ANSI RFVN FLANGE SCH 160 BORE	SA-105
27	2	168.3mm X 203mm LG B.D.E. SMLS PIPE SCH 160	SA-106-B
28	1	15.8mm THK X 279.4mm D.D. ROLLED REPAD	SA-516-70
29	1	12.7mm THK X 267mm D.D. DISHED REPAD	SA-516-70
30	1	6mm THK X 127mm D.D. DISHED REPAD	SA-516-70
31	1	203mm WIDE X 381mm LG. X 6mm THK FLOAT BAFFLE	SA-36
32	2	60.3mm X 600 ANSI RFVN FLANGE SCH 160 BORE	SA-105
33	2	60.3mm X 152mm LG B.D.E. SMLS PIPE SCH 160	SA-106-B