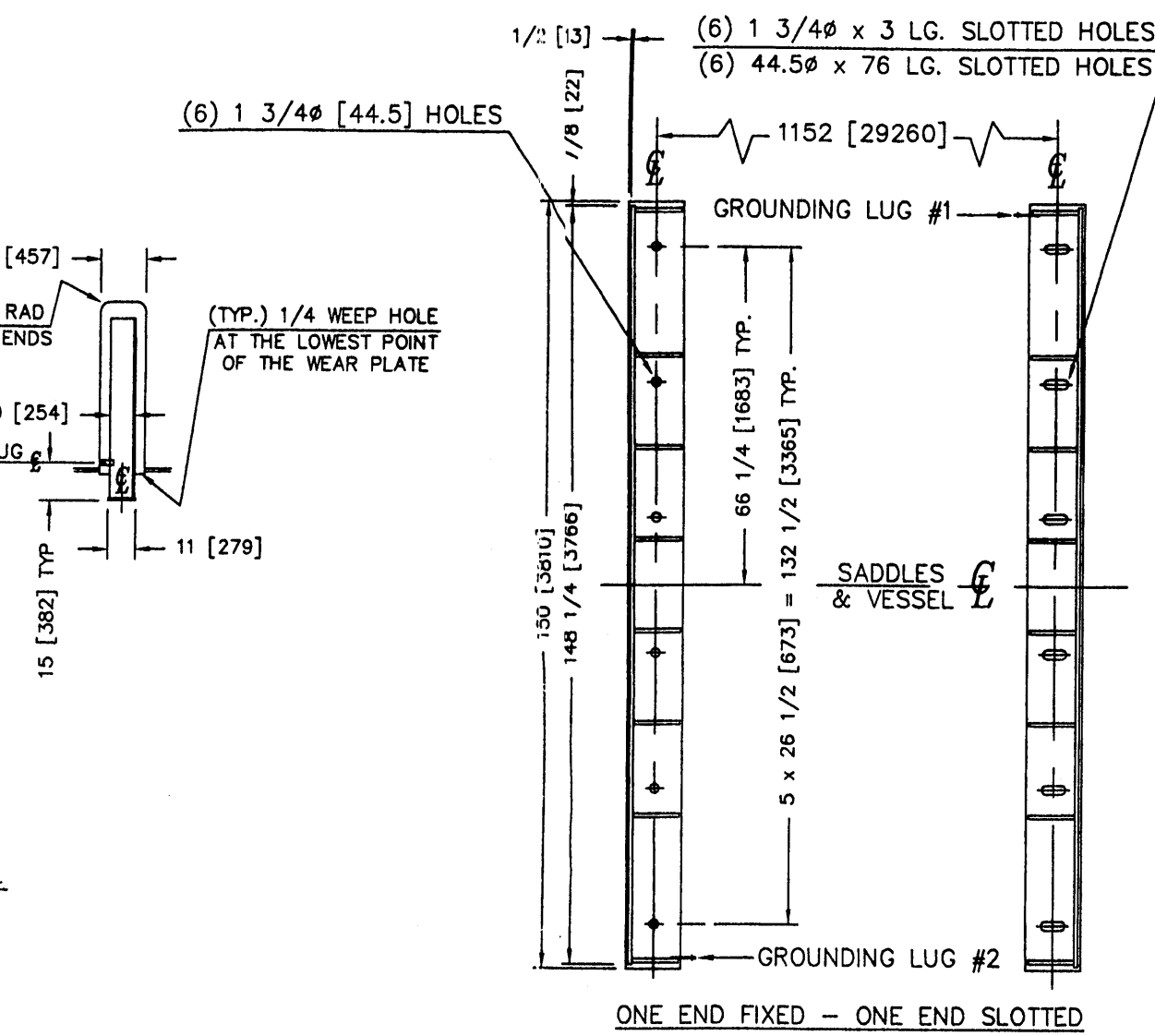
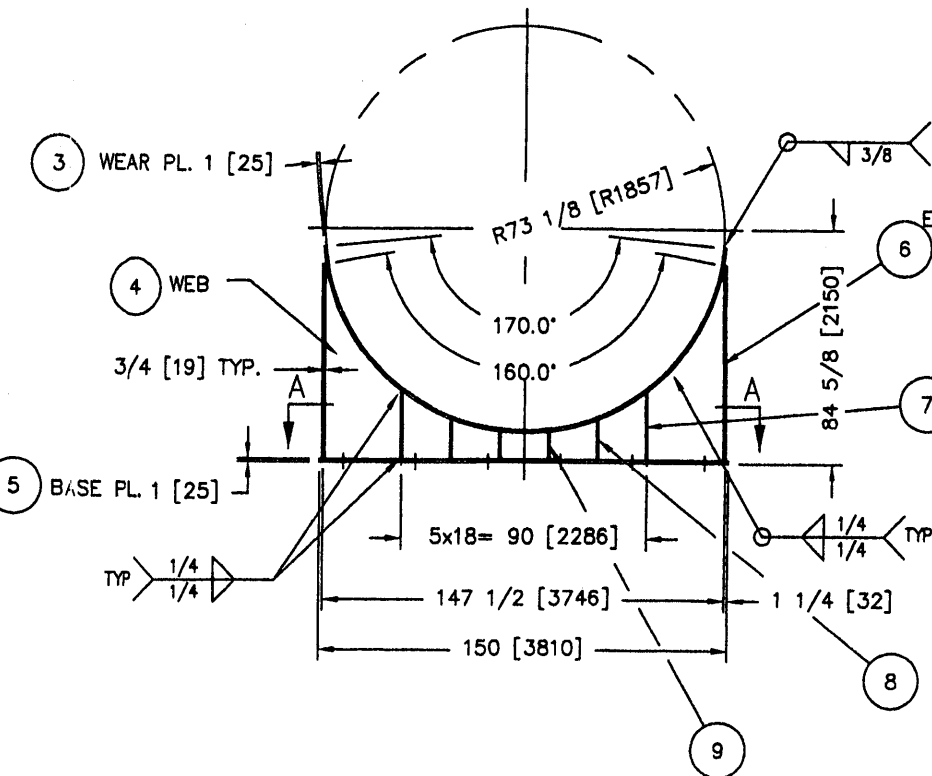


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	ITEM NUMBERS & B.O.M. ADDED	15-09-98	
	2	N2 SCH. INCREASED - CLEANING & PAINTING SYSTEM B.O.M. UPDATED-N5 RELOCALIZED	10-21-98	
	3	WELDING PROC. (*-P1) ADDED-NOTE 7 MODIFIED	07-12-98	
	4	N2 WALL THK. - PAINTING SYSTEM. REVISED	22-12-98	



VEHSEL DESIGNED PER :
 DESIGN OF ASME CODE SECTION VIII DIVISION 1
 CODE STAMP: SERIAL NO: NATIONAL BOARD NO: _____
 DESIGN PRESSURE INTERNAL: 250 PSIG [1724 kPaG] @ 149 DEG F [65°C]
 DESIGN PRESSURE EXTERNAL: -11 PSIG [-76 kPaG] @ 149 DEG F [65°C]
 OPERATING PRESSURE: _____
 HYDRO TEST: 375 PSIG [2586 kPaG] @ 50 DEG F [10°C]
 MAWP: 250 PSIG [1724 kPaG]
 MAWP: 250 PSIG [1724 kPaG]
 NMT: -10' DEG F [-23°C]
 DESIGN LIQUID LEVEL: FULL
 LIQUID S.G. (DESIGN): 0.777
 PMWT: NO
 IMPACT TESTING NOT REQ'D PER UCS-68
 INSULATION : NO

HEAD TYPE, TOP: 2:1 ELLIPSOIDAL

RADIOGRAPH: HEAD/SHELL: FULL UW-11(A) JOINT EFFICIENCY: HEAD/SHELL:
SHELL CIRC: FULL UW-11(A) SHELL CIRC:
SHELL LONG: FULL UW-11(A) SHELL LONG:

<u>ESTIMATED WEIGHT:</u>	EMPTY:	242101	LBS	[110046 kg]
	TEST:	1116908	LBS	[507686 kg]
	OPERATING:	828222	LBS	[376464 kg]

ESTIMATED CAPACITY: 104904 US GALLONS [397062 LITRES]

MATERIAL:

SHELL: SA-516-70N
HEADS: SA-516-70N
FLANGES: SA-105N
NOZZLES: SA-105N
BLINDS: SA-105N & SA-516-70N
REINFORCING PADS: SA-516-70N
SADDLES & WEAR PLATES: G40,21-44W & SA-516-70N
BOLTS & NUTS: SA-193-B7 & SA-193-B7
EXTERNAL CLIPS: SA-516-70 & SA-36
VORTEX BREAKER: SA-36

REGISTRATION BY: PROVINCE OF NOVA SCOTIA
INSPECTION BY: PROVINCE OF QUEBEC

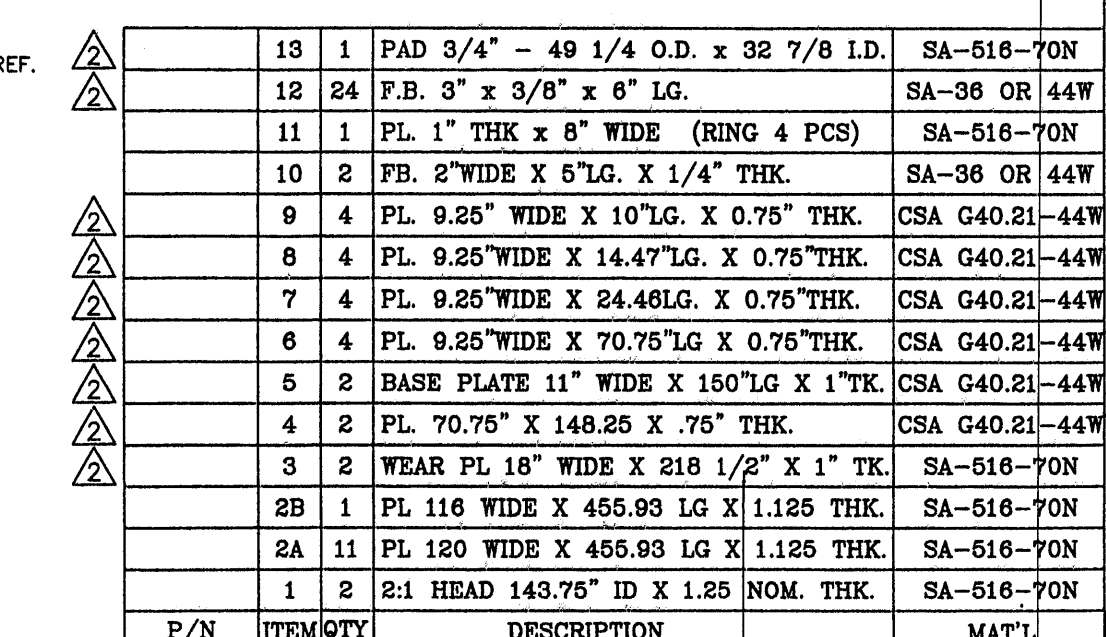
INTERNAL FINISH:
PLATES WITH MILL FINISH
WELDS WITH FLUX & SPATTER REMOVED

△ SURFACE PREP. & PAINTING: 4800 SQ.FT

CLEANING :
SANDBLAST PER SSPC-SP10 EXTERNAL SURFACES ONLY
PAINTING :

PRIMER COAT: INTERZONE 954: 18 MILS
TOP COAT: INTERFINE 629 HS : 3 MILS
TOTAL SYSTEM D.F.T. : 21 MILS

NOTE :
HYDROSTATIC TEST PRESSURE TO BE HELD FOR ONE HOUR



WELDING PROCEDURES

WPS MAT'L		P1-P1	P1-P8	*-P1				
PROCESS								
1	S.M.A.W.	PP-52-1	PP-07-1					
2	S.A.W. S.M.A.W.							
3	F.C.A.W.	PP1-19-1		PP-30				
4	S.A.W.	PP-516-5						

GENERAL NOTES:

- 2. FLANGE BOLT HOLES SHALL STRADDLE NORMAL VESSEL CENTRELINES UNLESS NOTED.
- 3. WELDS SHALL BE NEAT IN APPEARANCE, FREE OF SLAG, UNDERCUTS AND OTHER DEFECTS.
- 4. NOZZLE AND TAIL DIMENSION TOLERANCES SHALL BE +/- 1/8 INCH UNLESS OTHERWISE NOTED.
- 5. REINFORCING PADS AND PAD SECTIONS SHALL HAVE 1/4 INCH NPT WEEP HOLE. IF THE PAD IS LOW IN POSITION, THE WEEP HOLE IN THE VESSEL IS IN OPERATING POSITION, PLUS WEEP HOLE WITH HEAVY GREASE.
- 6. VESSEL SHALL BE CLEANED OF SCALE, OIL, WELD SPATTER AND ALL OTHER CONTAMINATION BEFORE TESTING.
- 7. COAT ALL NOZZLE GASKET SURFACES WITH PROTECTIVE LUBRICANT BEFORE BLANKING FOR SHIPMENT.
- 8. ALL VESSEL OPENINGS WITH PROTECTIVE COVERS OF WOOD WITH FOUR OR MORE B.L.T.S. WELD END OPENINGS SHALL BE CLOSED WITH PIPE CAPS AND HEAVY TAPE.

UNE DIVISION DE/A DIVISION OF	FRNG GROUP INC.
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RNG Pro-Tech Inc.

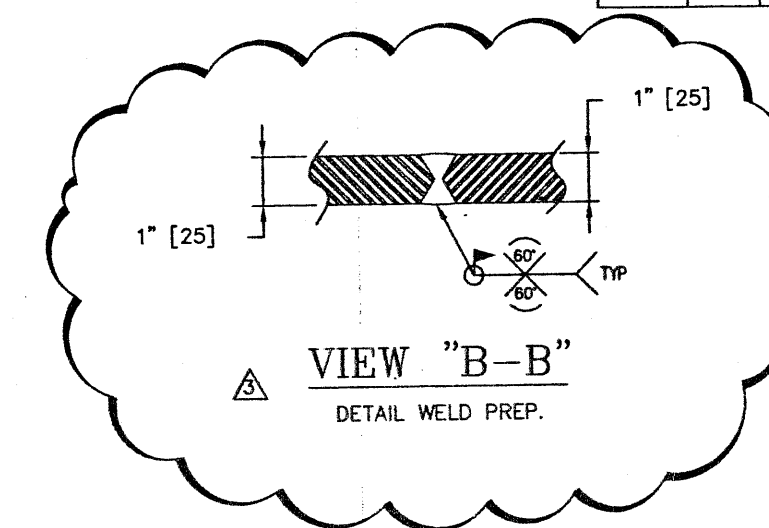
Sable Island Project - D2008
Off-spec Propane/Depropanizer Feed Drum

SIZE	JOB NO.	DWG NO.
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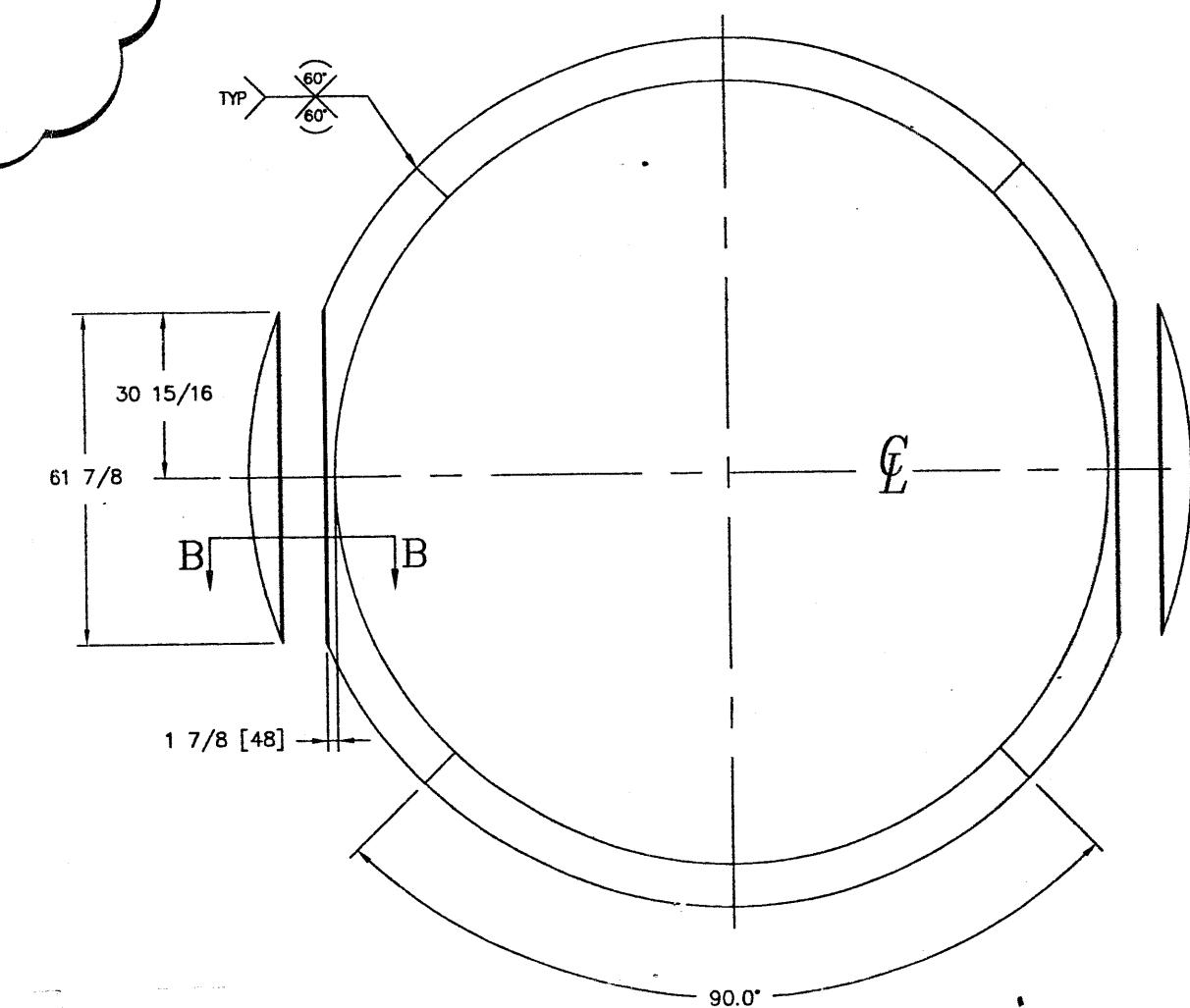
D	1214-98	980047-1
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SCALE	NTS	DATE	08-26-98	SHEET	1 OF 2
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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	△	ITEM NUMBERS, B.O.M. ADDED & METRIC NPLATE MOD.	15-09-98	
	△	N2 DETAIL - CRN ADDED NOZZLES DETAILS (NECK THK & GROOVE HEIGHT) ADDED	19-10-98	
	△	STIFFENING RING & BLIND DETAIL ADDED ITEMS 15 TO 17 ADDED	12-07-98	
	△	N2 DETAIL & BLIND DETAIL REVISED	22-12-98	

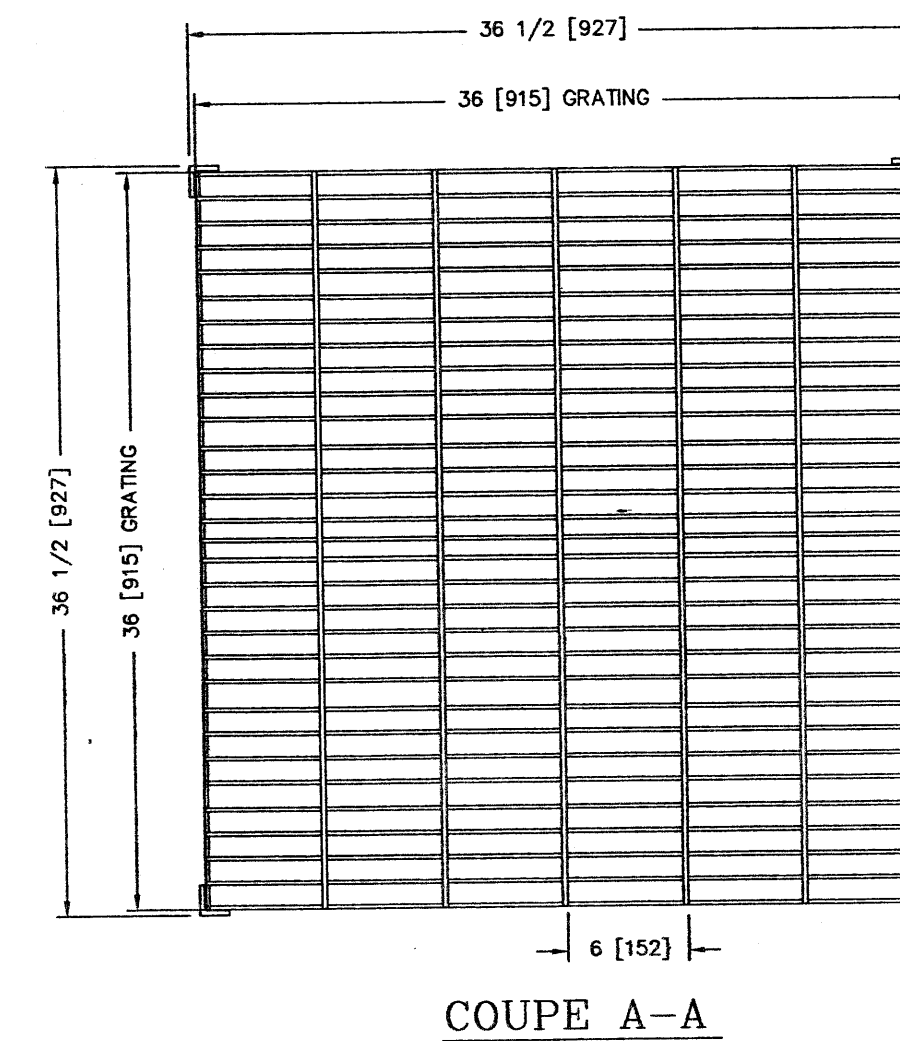


NOTE:
BEFORE SHIPPING; ON BOTH SIDES OF THE -
VESSEL, STIFFENING RING MUST BE CUT WITH
EDGES PREPARED AS SHOWN.
REMOVED PARTS SHALL BE CORRECTLY IDENTIFIED,
SHIPPED LOOSE AND WELDED BACK IN PLACE BY
FIELD ERECTORS.

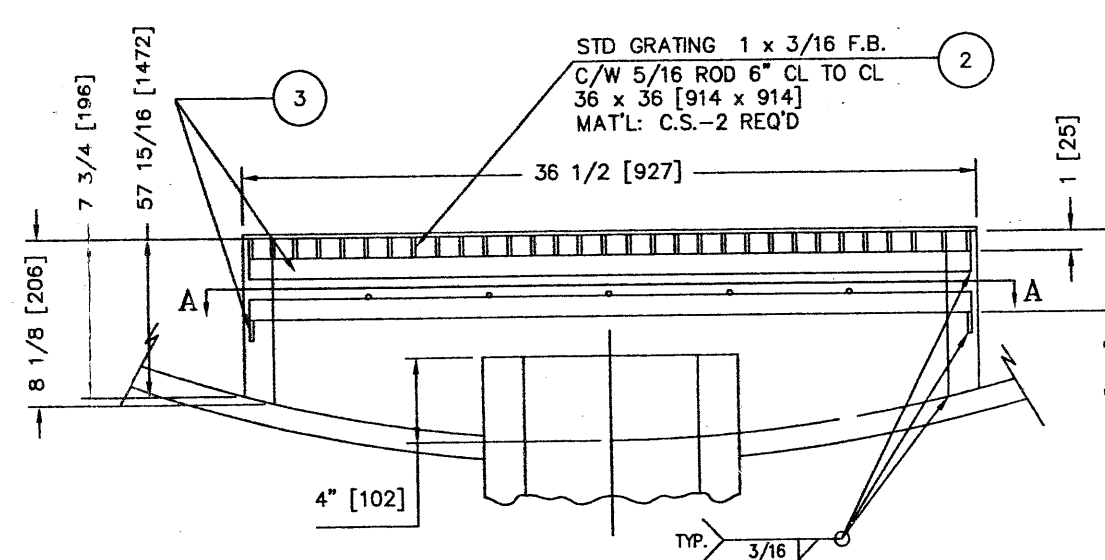


STIFFENING RING DETAIL

(ITEMS 11 FROM DWG 980047-1 PAGE 1)

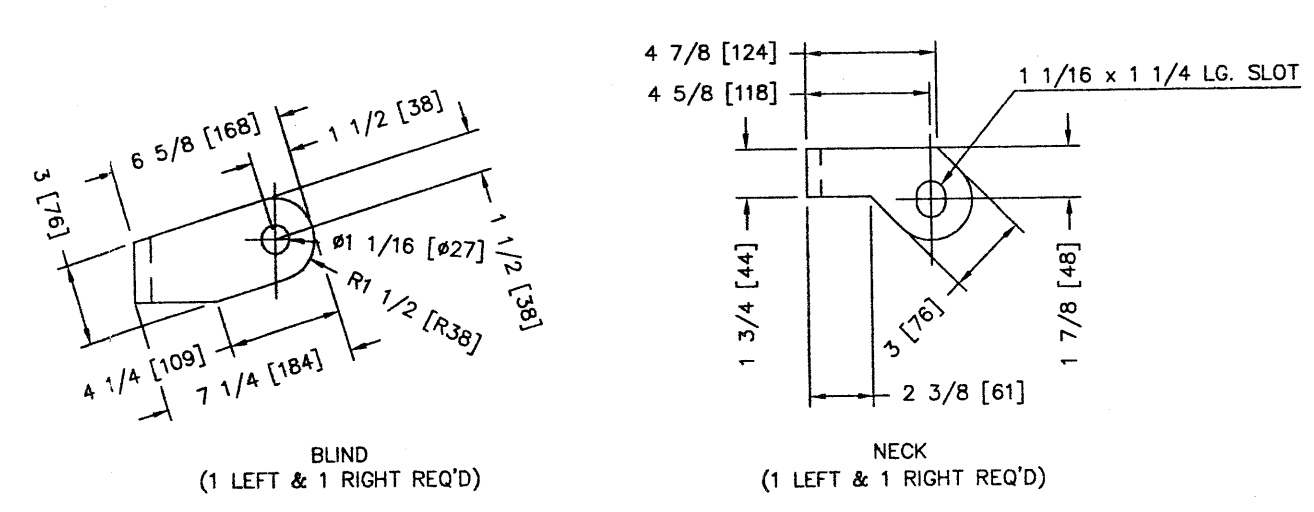
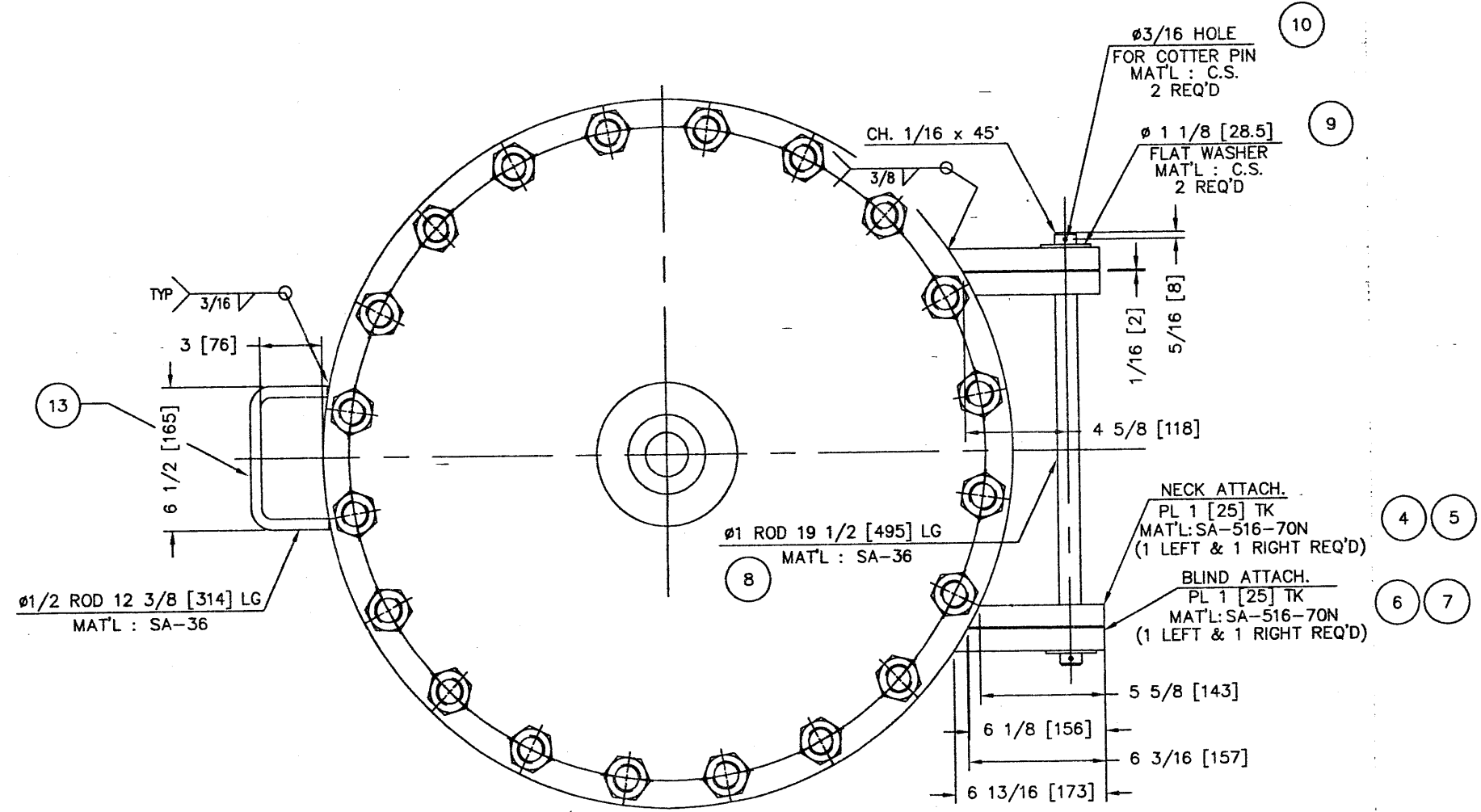


COUPE A-A

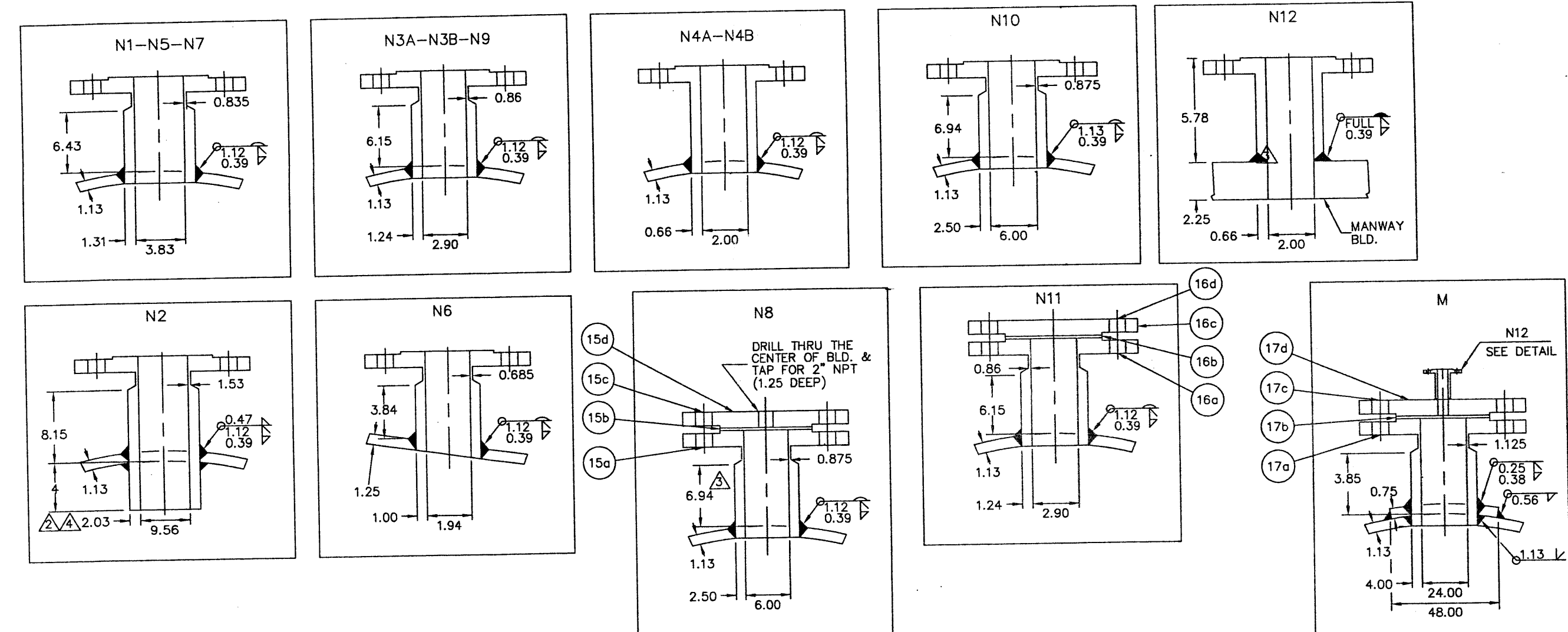


NOTE: DO NOT WELD THE GRATING TO LEGS



VORTEX BREAKER DETAIL



MANWAY COVER HINGE DETAIL



2 NOZZLES DETAILS


 CERTIFIED BY
RNG Pro-Tech Inc.
 SHERBROOKE, QUEBEC
 MAWP 250 & -11 PSI AT 149 °F
 M.D.M.T. -17 °F AT 250 & -11PSI
 SERIAL NO:
 YEAR BUILT: 1998
 C.R.N. NO: 8123.8 
 DIA. 144 I.D. O/A LGTH: 1515
 CAPACITY: 104904 USWG
 ITEM NO. D2008

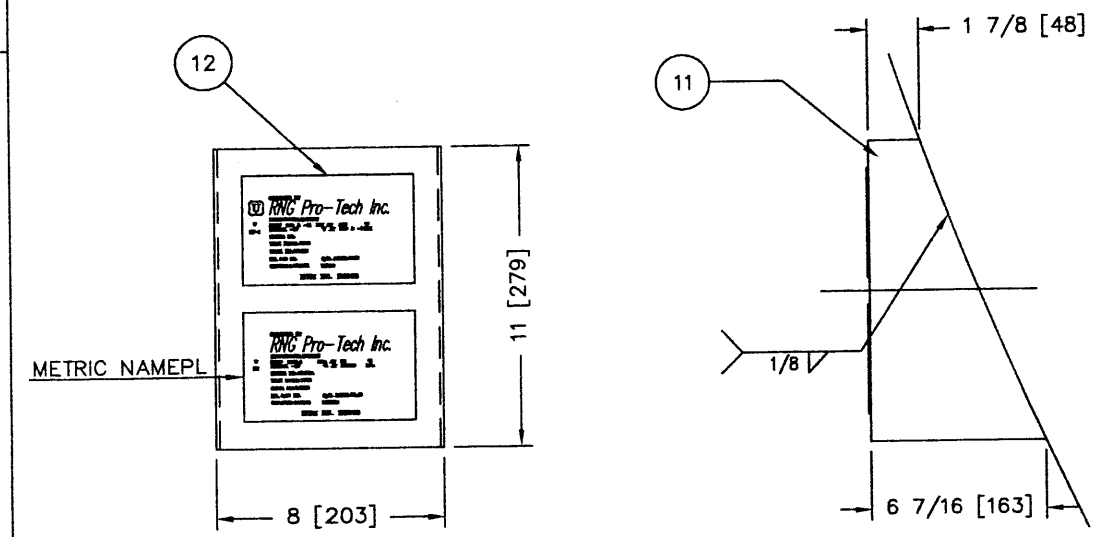
CERTIFIED BY
RNG Pro-Tech Inc.
SHERBROOKE, QUEBEC

W	MAMP 1724 Δ	KPa	AT 65	°C
RT--1	M.D.M.T. -27	°C	AT 1724 Δ	kPa

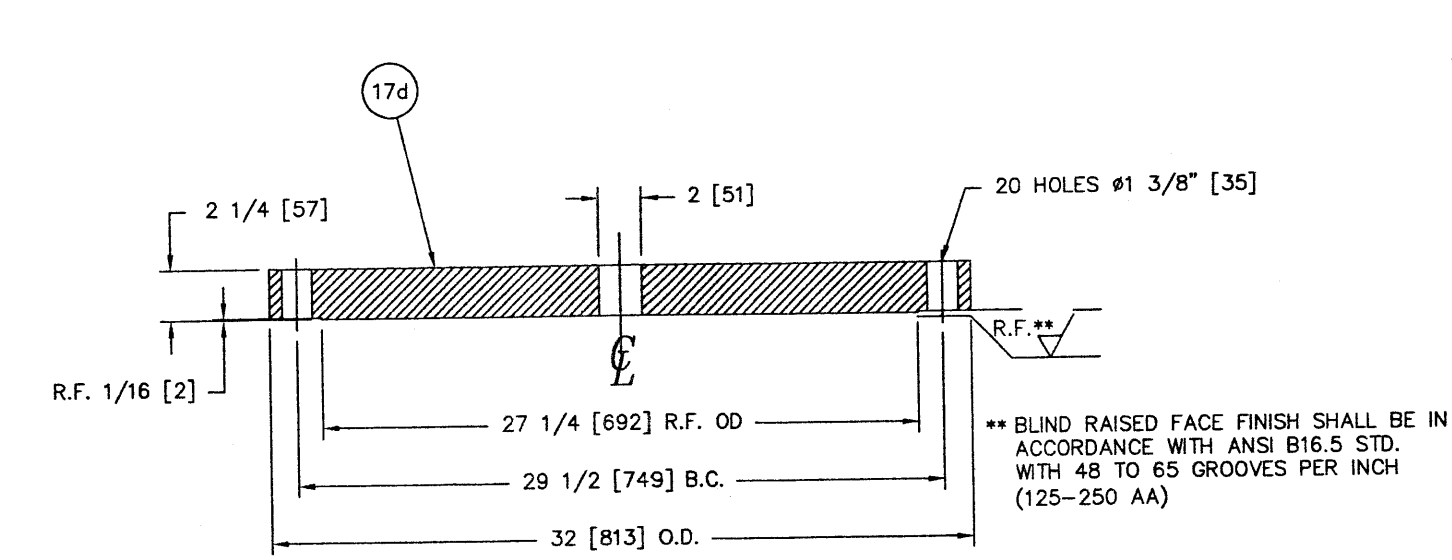
SERIAL NO: SERIAL
YEAR BUILT: 1998 -
C.R.N. NO: 8123.8 Δ
DIA. 3,66 I.D. O/A LGTH: 38,48
CAPACITY: 397105 LITRES

ITEM NO. D2008

NAMEPLATE STAMPING DETAIL



NAMEPLATE BRACKET DETAIL



BLIND DETAIL

△	17d	1	PL 2 1/2" THK X 33" OD.	SA-516-70 (N)
△	17c	24	ϕ 1 1/4" BOLTS x 6 1/4" LG.	SA-193-B7
△	17b	1	24" FLEXITANGIAL GASKET - 300#	316 S.S.
△	17a	24	ϕ 1 1/4" NUTS	SA-194-2H
△	16d	8	#3/4" BOLTS x 3 1/2" LG.	SA-193-B7
△	16c	1	3" - 300# BLIND FLANGE	SA-105 (N)
△	16b	1	3" FLEXITANGIAL GASKET - 300#	316 S.S.
△	16a	8	ϕ 3/4" NUTS	SA-194-2H
△	15d	1	6" - 150# BLIND FLANGE	SA-105 (N)
△	15c	8	#3/4" BOLTS x 3 1/2" LG.	SA-193-B7
△	15b	1	6" FLEXITANGIAL GASKET - 300#	316 S.S.
△	15a	8	ϕ NUTS 3/4"	SA-194-2H
△	14	-	-	-
	13	1	#1/2" ROD x 12 3/8" LG.	SA-36 OR *
	12	2	PLAQUE 4" WIDE X 6 1/2" X 3/32"THK.	S.S. 304L
	11	2	PL. 11" WIDE X 21 1/8"LG. X 3/16"THK.	SA-516-70
	10	2	COTTER PIN ϕ 3/16	C.S
	9	2	FLAT WASHER ϕ 1 1/8"	C.S.
	8	1	1" ROD X 19 1/2"LG.	SA-36 OR *
	7	1	PL 3 1/2" WIDE X 7 1/2" LG. X 1"THK	SA-516-70N
	6	1	PL 3 1/2" WIDE X 7 1/2" LG. X 1"THK.	SA-516-70N
	5	1	PL 3" WIDE X ϕ 1/2"LG. X 1"THK.	SA-516-70N
	4	1	PL 3" WIDE X ϕ 1/2"LG. X 1" THK.	SA-516-70N
	3	4	FB 1" WIDE X 3/16"THK. X 36" LG.	SA-36
	2	2	STD GRATING 1 x 3/16 - 36 x 36	SA-36
	1	4	L 1 1/2 X 1 1/2 X 3/16 TK 8 1/8 LG	SA-36 OR *
	P/N	ITEM QTY	DESCRIPTION	MAT'L

• UNE DIVISION DE/A DIVISION OF RNG GROUP INC.

RNG Pro-Tech Inc.
Sable Island Project - D2008
Off-spec Propane/Depropanizer Feed

SIZE D	JOB NO. 1214-98	DWG NO. 980047-1	REV 4
SCALE NTS	DATE 08-26-98	SHEET 2 OF 2	

