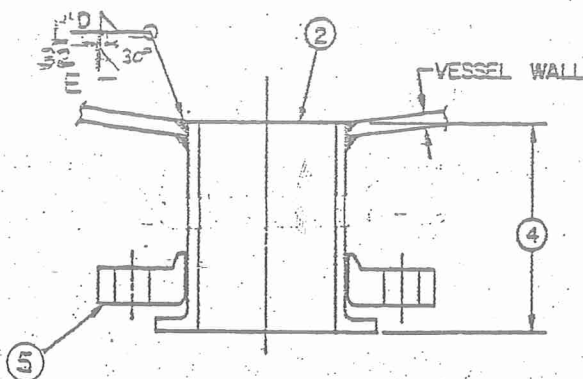
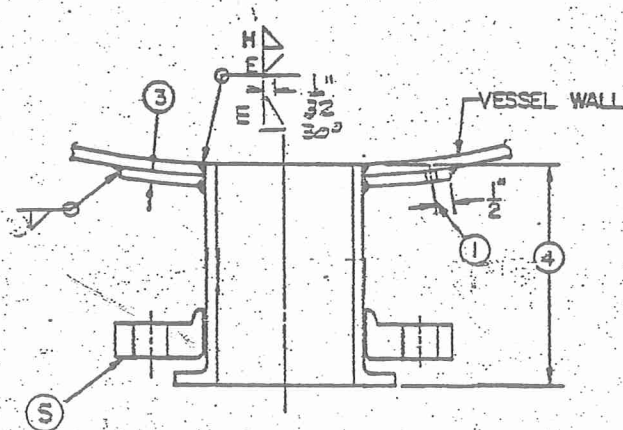
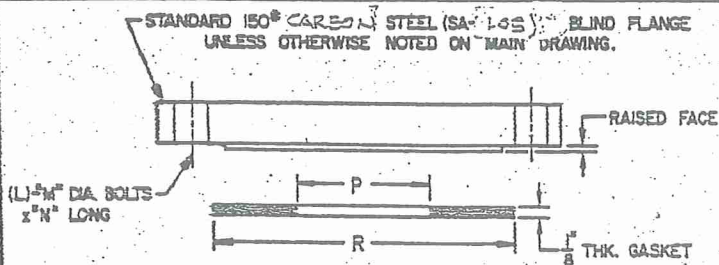




DETAIL "7-7"



DETAIL "8-8"



DETAIL "9-9"

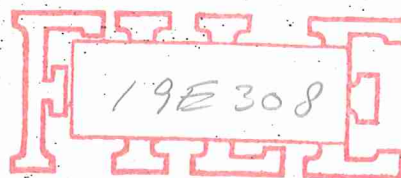
SIZE	L	M	N	P	R
1/2	4	1/2	2	5/8	1 1/2
1	4	1/2	2 1/2	1 1/4	2 3/8
1 1/2	4	1/2	3 1/2	1 3/8	2 7/8
2	4	5/8	3	2 5/8	3 3/8
2 1/2	4	5/8	3	3	4 1/8
3	4	5/8	3 1/2	3 1/2	5 3/8
3 1/2	8	5/8	3 3/4	4	6 3/8
4	8	5/8	3 3/4	4 1/2	6 7/8

METAL THICKNESS FOR THE THINNER
OF THE PARTS JOINED BY WELDING.
[WALL OF VESSEL OR WALL OF NOZZLE]

	D	E	H
1/8 TO 3/16"	1/8	(5)	3/16
1/4 TO 3/8	1/4	(5)	1/4

NOTES:

- (1) 1/8" NPT. WEEP HOLE AT LOWEST POINT IN REINF. PAD ONLY.
- (2) NOZZLE NECK REFER TO MAIN DWG. FOR PIPE SCHEDULE.
- (3) REFER TO MAIN DWG. FOR THICKNESS, Q.D. AND MATERIAL OF REINF. PAD.
- (4) SEE MAIN DRAWING FOR PROJECTION.
- (5) STD. 150* C/S SA-105 LAP-JOINT FLANGE. UNLESS OTHERWISE NOTED ON MAIN DWG.



PERRY

PRODUCTS COMPANY
STAINLESS STEEL FABRICATORS



MOUNT LAUREL ROAD • HAINESPORT, NEW JERSEY 08536



DRN. *[Signature]*
DATE 7/24/85
CHKD. P.R.
SER. NO.

STANDARD NOZZLE DETAILS (CODE)

JOS NO.

DWG. NO. D-ND-7.3

DETAIL "7-7"

DETAIL "8-8"

DETAIL "9-9"

SIZE	L	M	N	P	R
1	4	$\frac{1}{2}$	$2\frac{1}{2}$	$1\frac{5}{16}$	$2\frac{5}{8}$
2	4	$\frac{5}{8}$	3	$2\frac{3}{8}$	$4\frac{1}{8}$
3	4	$\frac{5}{8}$	$3\frac{1}{4}$	$3\frac{1}{2}$	$5\frac{3}{8}$
4	8	$\frac{5}{8}$	$3\frac{1}{2}$	$4\frac{1}{2}$	$6\frac{7}{8}$
5	8	$\frac{3}{4}$	4	$5\frac{3}{16}$	$7\frac{3}{4}$
6	8	$\frac{3}{4}$	4	$6\frac{5}{8}$	$8\frac{3}{4}$
8	8	$\frac{3}{4}$	$4\frac{1}{2}$	$8\frac{5}{8}$	11
10	12	$\frac{7}{8}$	5	$10\frac{3}{4}$	$13\frac{3}{8}$
12	12	$\frac{7}{8}$	5	$12\frac{3}{4}$	$16\frac{1}{8}$

METAL THICKNESS FOR THE THINNER OF THE PARTS JOINED BY WELDING. WALL OF VESSEL OR WALL OF NOZZLE. _____	<u>D</u>	<u>E</u>	<u>F</u>	<u>H</u>	<u>J</u>
$\frac{1}{8}$ to $\frac{3}{16}$	$\frac{3}{16}$	⑤	$\frac{3}{16}$	$\frac{3}{16}$	⑨
$\frac{1}{4}$ to $\frac{3}{8}$	$\frac{3}{8}$	⑤	$\frac{5}{16}$	$\frac{3}{8}$	⑨
$\frac{7}{16}$ to $\frac{5}{8}$	$\frac{9}{16}$	⑤	$\frac{7}{16}$	$\frac{3}{8}$	$\frac{9}{16}$
$\frac{11}{16}$ to $\frac{3}{4}$	$\frac{11}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{3}{8}$	$\frac{11}{16}$

NOTES:

- (1) $\frac{1}{8}$ " NPT WEEP HOLE AT LOWEST POINT IN REINF. PAD ONLY.
 - (2) NOZZLE NECK REFER TO MAIN DWG. FOR PIPE SCHEDULE.
 - (3) REFER TO MAIN DWG. FOR THICKNESS, O.D. AND MATERIAL OF REINF. PAD.
 - (4) SEE MAIN DRAWING FOR PROJECTION.
 - (5) FULL PENETRATION WELDS.
 - (6) ST'D. 150* C/S SA-181-GR.1 SLIP-ON FLANGE w/ ST'D. MACHINE FINISH UNLESS OTHERWISE NOTED ON MAIN DRAWING.
- | (7) VESSEL WALL THICKNESS | NOZ. PROJ. |
|-----------------------------------|----------------|
| $\frac{1}{8}$ THRU $\frac{3}{8}$ | $\frac{1}{2}$ |
| $\frac{7}{16}$ THRU $\frac{7}{8}$ | 1 |
| $\frac{15}{16}$ THRU 1 | $1\frac{1}{4}$ |
- (8) THIS DWG. FOR 1" TO 12" I.P.S. PIPE SIZE.
 - (9) FILLET WELD HEIGHT TO BE THICKNESS OF PIPE.

VESSEL WALL THICKNESS	NOZ. PROJ.
1/8 THRU 3/8	1/2
7/16 THRU 7/8	1
15/16 THRU 1	1 1/4

19E308

PERRY PRODUCTS COMPANY
STAINLESS STEEL FABRICATORS



MOUNT LAUREL ROAD • HAINESPORT, NEW JERSEY 08036



DRN W.J.8.

DATE 9-3-82

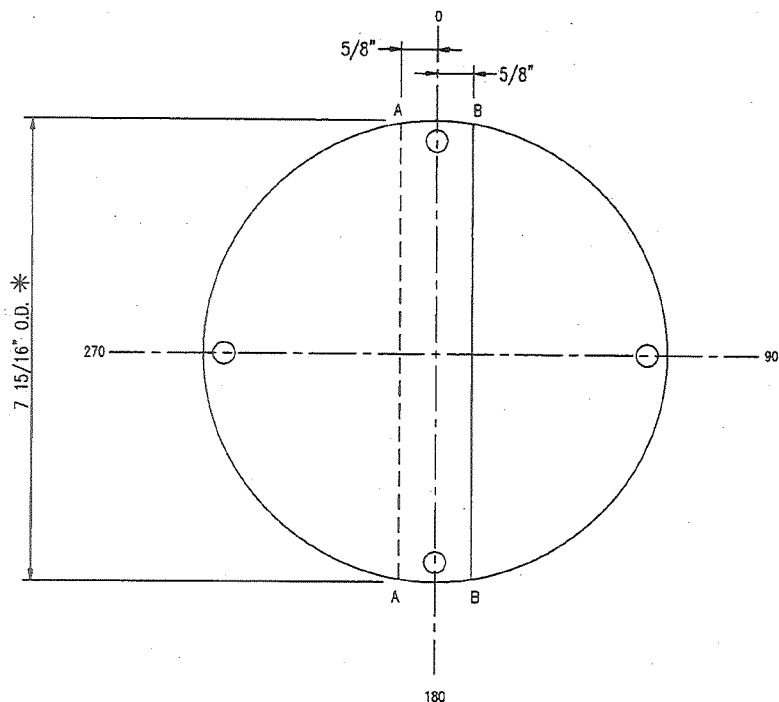
CHKD. *PL*

SER. NO	
---------	--

STANDARD NOZZLE DETAILS (CODE)

JOB NO.

DWG. NO D-ND-72



VIEW ZZ OF BAFFLES

1/8" THK.

4- REQD. CUT AA

4- REQD. CUT BB

NOTES:

- 1) DRILL TUBE HOLES IN BAFFLES 25/32" DIA. & DEBURR.
- 2) DRILL TIE ROD HOLES 5/16" DIA.
SEE TUBE LAYOUT FOR LOCATION.
- 3) RADIUS ALL CORNERS ON BAFFLE CUTS.
- * 4) CHECK SHELL I.D. BEFORE MACHINING BAFFLE O.D.
- 5) MACHINE O.D. OF BAFFLES TO 250 RMS.

PERRY JOB #17205 SERIAL NO. B-7305

BAFFLE DETAILS

DWN. BY

G. Gix

DATE

01-22-09

CKD. BY

A. Shah

PERRY PRODUCTS CORPORATION

STAINLESS STEEL FABRICATORS

25 MT. LAUREL ROAD
HAINESPORT, NEW JERSEY 08036

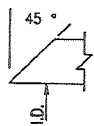
DWG. NO.

17205-J

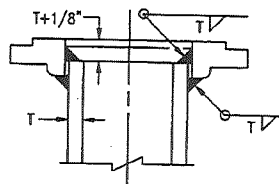
REV.

NO.	DATE	REVISIONS

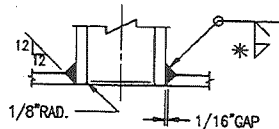
Allen 12/10/12/26/01



SHELL BOTH ENDS TO TUBESHEETS



SLIP ON FLANGE



NOZZLE W/OUT PAD

PERRY JOB #17205

SERIAL NO. B-7305

WELD & BEVEL DETAILS

DWN. BY
G. Gix

DATE
01-22-09

CKD. BY
A. Shat

PERRY PRODUCTS CORPORATION
STAINLESS STEEL FABRICATORS
25 MT. LAUREL ROAD
HAINESPORT, NEW JERSEY 08036

DWG. NO.
17205-Z

REV.

GENERAL NOTES

- 1) ALL WELDING TO BE IN ACCORDANCE W/ ASME CODE (SECTION IX).
- *2) ALL FILLET WELDS TO BE 3/8" UNLESS NOTED OTHERWISE.

NO.	DATE	REVISIONS

William J. Gifford 1/24/09

PERRY PRODUCTS CORPORATION
HAINESPORT, NEW JERSEY

08036

REVISIONS

DATE

DRAWN

APPROVED

SCALE

1-94

JJS

SS

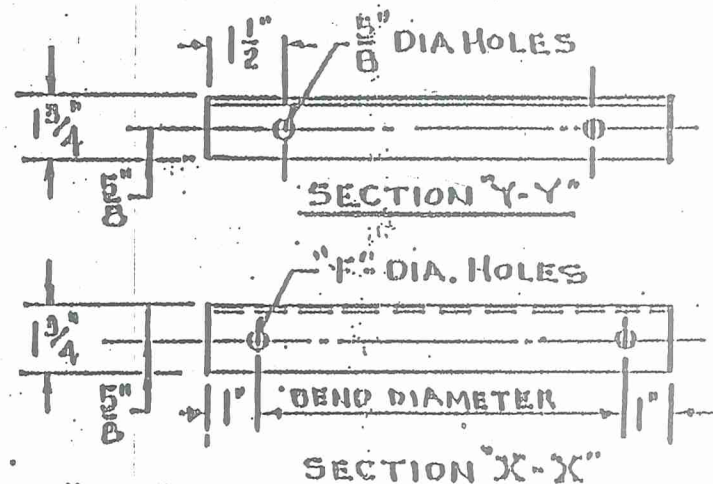
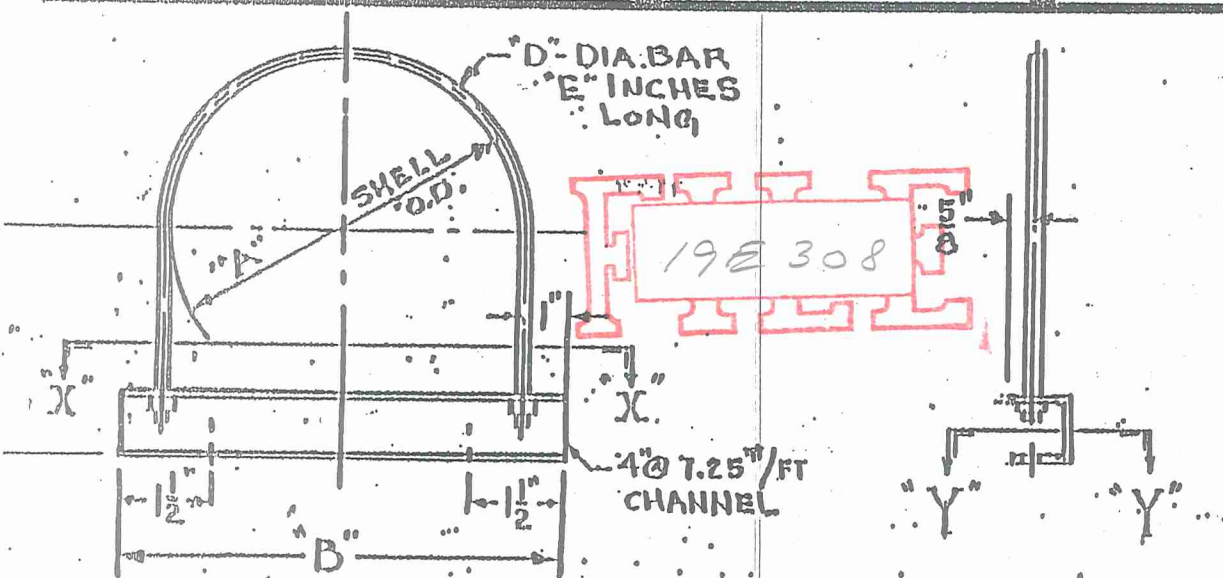
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STANDARD

U-BOLT SADDLES

A-10694

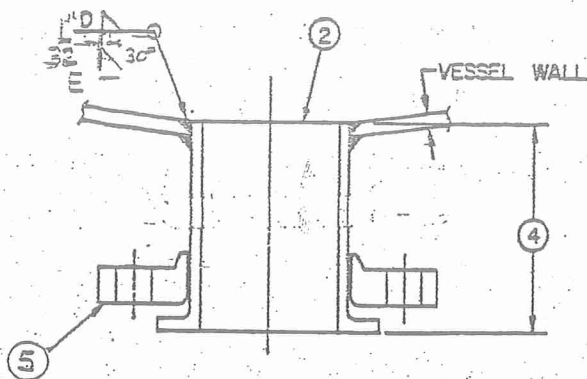
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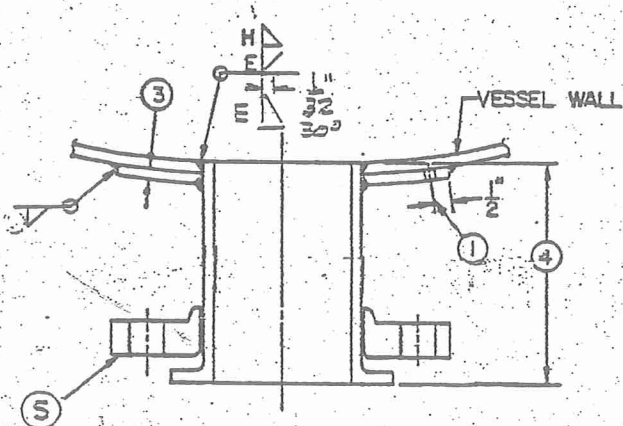
NOTES:

1. ALL DIMENSIONS ARE IN INCHES
2. TWO (2) SADDLES PER UNIT

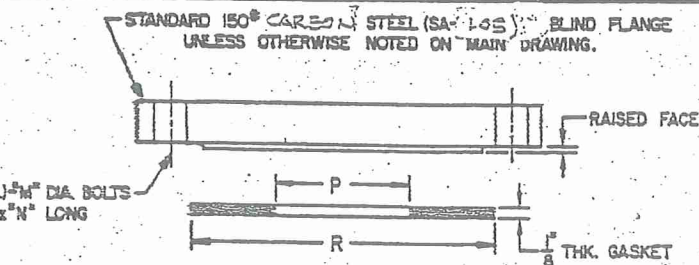
UNIT SIZE	A	B	C	D	E	F	BEND DIAMETER
6	6-5/0	9-1/4	7-5/16	3/0	21	1/2	7-1/4
8	8-5/0	11-1/4	8-5/16	1/2	26	5/0	9-1/4
10	10-3/4	13-3/0	9-3/0	1/2	31	5/0	11-3/0
12	12-3/4	15-3/0	10-3/0	1/2	36	5/0	13-3/0
14	14	16-5/0	11	1/2	40	5/0	14-5/0
16	16	18-5/0	12	1/2	45	5/0	16-5/0
18	18	20-5/0	13	1/2	50-1/4	5/0	18-5/0
20	20	22-5/0	14	1/2	55-1/4	5/0	20-5/0
22	22	24-5/0	15	1/2	60-1/2	5/0	22-5/0
24	24	26-5/0	16	1/2	65-3/4	5/0	24-5/0



DETAIL "7-7"



DETAIL "8-8"



DETAIL "9-9"

SIZE	L	M	N	P	R
1/2	4	1/2	2	5/8	1 5/8
1	4	1/2	2 1/2	1 5/8	2 5/8
1 1/2	4	1/2	3 1/2	1 5/8	2 1/8
2	4	5/8	3	2 5/8	3 3/8
2 1/2	4	5/8	3	3	4 1/8
3	4	5/8	3 1/4	3 1/2	5 3/8
3 1/2	8	5/8	3 3/4	4	6 3/8
4	8	5/8	3 3/4	4 1/2	6 7/8

METAL THICKNESS FOR THE THINNER OF THE PARTS JOINED BY WELDING. [WALL OF VESSEL OR WALL OF NOZZLE]	D	E	H			
1/8 TO 3/16"	1/8	5	3/16			
1/4 TO 3/8"	1/4	5	1/4			

NOTES:

(1) 1/8" NPT. WEEP HOLE AT LOWEST POINT IN REINF. PAD ONLY.

(2) NOZZLE NECK REFER TO MAIN DWG. FOR PIPE SCHEDULE.

(3) REFER TO MAIN DWG. FOR THICKNESS, Q.D. AND MATERIAL OF REINF. PAD.

(4) SEE MAIN DRAWING FOR PROJECTION.

(5) STD. 150# C/S SA-105 LAP-JOINT FLANGE. UNLESS OTHERWISE NOTED ON MAIN DWG.

19E308

PERRY PRODUCTS COMPANY
STAINLESS STEEL FABRICATORS



MOUNT LAUREL ROAD • HAINESPORT, NEW JERSEY 08036



DRN: 11

DATE: 7/24/25

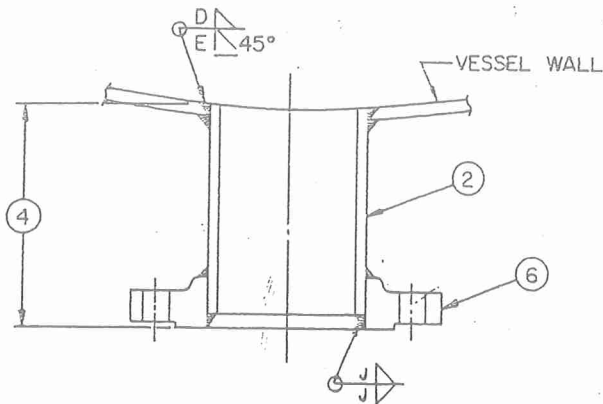
CHKD: P.R.

SER. NO.

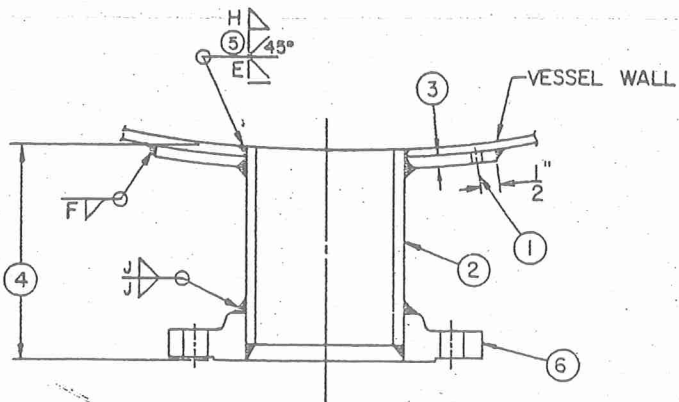
STANDARD NOZZLE DETAILS (CODE)

JOS NO.

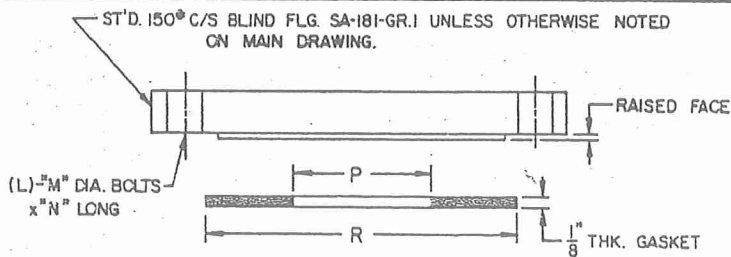
DWG. NO. D-ND-73



DETAIL "7-7"



DETAIL "8-8"



DETAIL "9-9"

SIZE	L	M	N	P	R
1	4	1/2	2 1/2	1 5/16	2 5/8
2	4	5/8	3	2 3/8	4 1/8
3	4	5/8	3 1/4	3 1/2	5 3/8
4	8	5/8	3 1/2	4 1/2	6 7/8
5	8	3/4	4	5 3/16	7 3/4
6	8	3/4	4	5 3/8	8 3/4
8	8	3/4	4 1/2	6 3/8	11
10	12	7/8	5	10 3/4	13 3/8
12	12	7/8	5	12 3/4	16 1/8

METAL THICKNESS FOR THE THINNER OF THE PARTS JOINED BY WELDING.

WALL OF VESSEL OR WALL OF NOZZLE.

	D	E	F	H	J
1/8 to 3/16	3/16	(5)	3/16	3/16	(9)
1/4 to 3/8	3/8	(5)	5/16	3/8	(9)
7/16 to 5/8	9/16	(5)	7/16	3/8	9/16
11/16 to 3/4	11/16	1/2	9/16	3/8	11/16

NOTES:

- (1) 1/8" NPT WEEP HOLE AT LOWEST POINT IN REINF. PAD ONLY.
- (2) NOZZLE NECK REFER TO MAIN DWG. FOR PIPE SCHEDULE.
- (3) REFER TO MAIN DWG. FOR THICKNESS, O.D. AND MATERIAL OF REINF. PAD.
- (4) SEE MAIN DRAWING FOR PROJECTION.
- (5) FULL PENETRATION WELDS.
- (6) ST'D. 150° C/S SA-181-GR.1 SLIP-ON FLANGE W/ ST'D. MACHINE FINISH UNLESS OTHERWISE NOTED ON MAIN DRAWING.
- (7)

VESSEL WALL THICKNESS	NOZ. PROJ.
1/8 THRU 3/8	1/2
7/16 THRU 7/8	1
15/16 THRU 1	1 1/4
- (8) THIS DWG. FOR 1" TO 12" I.P.S. PIPE SIZE.
- (9) FILLET WELD HEIGHT TO BE THICKNESS OF PIPE.

19E308

PERRY PRODUCTS COMPANY
STAINLESS STEEL FABRICATORS



MOUNT LAUREL ROAD • HAINESPORT, NEW JERSEY 08036



DRN WJB

DATE 9-3-82

CHKD PL

SFR NG

STANDARD NOZZLE DETAILS (CODE)

JOB NO

DWG NO D-ND-72