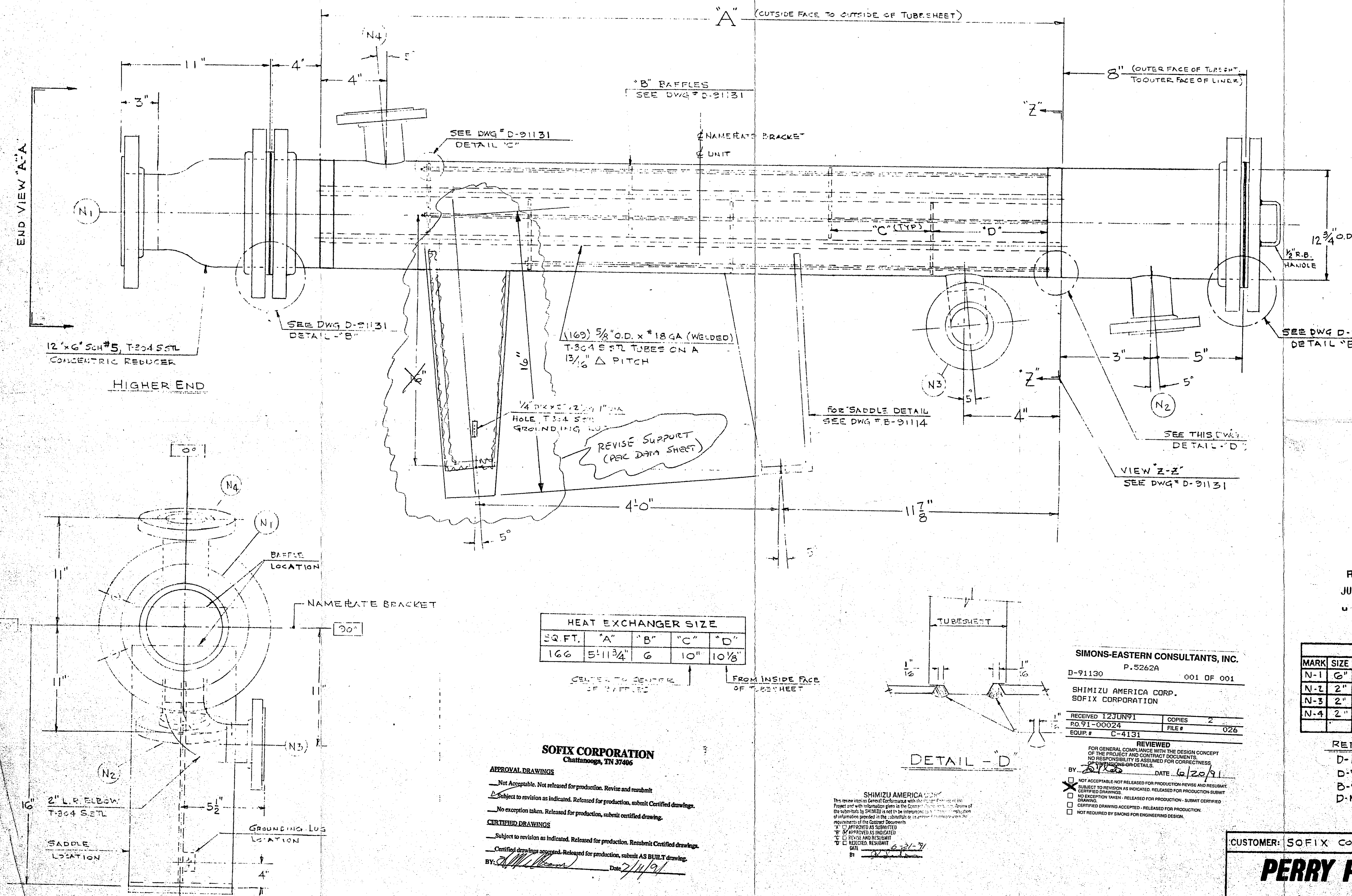


PERRY



HEAT EXCHANGER SIZE				
SQ. FT.	"A"	"B"	"C"	"D"
166	5' 11 3/4"	6	10"	10 7/8"

CENTER TO CENTER OF BAFFLES

FROM INSIDE FACE OF TUBESHEET

SOFIX CORPORATION
Chattanooga, TN 37406

APPROVAL DRAWINGS

Not Acceptable. Not released for production. Revise and resubmit.

Subject to revision as indicated. Released for production, submit Certified drawings.

No exception taken. Released for production, submit certified drawing.

CERTIFIED DRAWINGS

Subject to revision as indicated. Released for production. Resubmit Certified drawings.

Certified drawings accepted. Released for production, submit AS BUILT drawing.

BY: *[Signature]* Date: 7/14/91

SHIMIZU AMERICA CORP.

This review is based on the design concept of the project and contract documents. The Project and with information given in the Contract Documents. The responsibility for the design of the project is assumed by SHIMIZU AMERICA CORP. and is not to be interpreted as a representation of the design of the project.

APPROVED AS SUBMITTED

IF APPROVED AS INDICATED

IF REVISED AND RESUBMITTED

IF REVISED AND RESUBMITTED

DATE: 6/21/91

SIMONS-EASTERN CONSULTANTS, INC.

P.5262A

D-91130 001 OF 001

SHIMIZU AMERICA CORP.

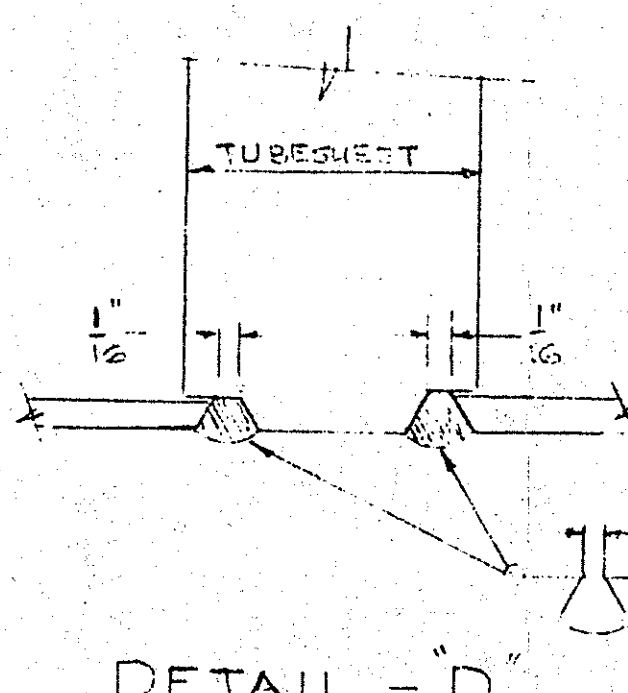
SOFIX CORPORATION

RECEIVED 12 JUN 91

COPIES 2

FILE # 026

EQUIP # C-4131



FITTING SCHEDULE					
MARK	SIZE	SCH.	RATING	DESCRIPTION	QUAN.
N-1	6"	10	150*	FLG. CONN., SEE DWG D-ND-70 DET. 7-7	1
N-2	2"				1
N-3	2"				1
N-4	2"				1

REFERENCE DWG'S

D-ND-70 NOZZLE DETAILS

D-91131 HEATEXCHANGER DETAILS

D-91114 SADDLE DETAILS

D-ND-71 NOZZLE DETAILS

114437

A.S.M.E. CONSTRUCTION
INSP. & STAMPING

IN ACCORDANCE WITH SECTION VIII, DIVISION No. 1
OF THE 1929 EDITION OF THE UNIFORM PRESSURE
VESSEL CODE, FOR OPERATION IN THE STATE OF - TN -

ASME CODE INSPECTION	YES
CODE STAMP	YES
SPOT RADIOGRAPHED	NO
PARTIAL RADIOGRAPH	NO
FULL RADIOGRAPH	NO
CORR. ALLOW.	0"
TEMA: CLASS	2 "CEN"

DESIGN DATA (MAX)		
	TUBE SIDE	SHELL SIDE
PRESSURE (PSIG)	EV. OR 35	85
TEMPERATURE °F	300	280
MIN. DES. TEMP °F	20	20

HYDROSTATIC TEST (PSIG)	60	145
WELD SPEC. NO'S	SEE SUMMARY MAP	

MATERIAL SPECIFICATIONS

BONNET COVER: 2/5 BLIND FLG (W) T-304 LINER

SHELL: 12" SCH #5 (.156") THK WLD PIPE

REDUCER: 12" x 6" SCH #5 SA-105

SHELL: 12" SCH #5 (.156") THK WLD PIPE

BAFFLES, TIE RODS & TUBE SPACERS

	TUBE SIDE	SHELL SIDE
NOZZLE (PIPE)	SA-312 (WLD)	SA-312 (WLD)
NECKS	T-304 S/S	T-304 S/S
NOZZLE (FORGED)	SA-105 S/S	SA-105 S/S
FLANGES	SA-105 S/S	SA-105 S/S

TUBES 5/8" O.D. x 18 GA, T-304 S.S.T. SA-240 (WLD)

TUBE SHEETS 3/4" THK (WLD) TH, SA-240, T-304 S/S

BODY FLANGES SA-105 S/S

BOLTING SA-193-B7 S/S NUTS SA-193-B7 S/S

GASKETS TEFLON

GENERAL NOTES

- ALL WELDED CONSTRUCTION AS NOTED.
 - ALL INT. WELDS A.S.M.E. CODE WELDED. PICKLED AND BRUSHED.
 - ALL EXT. WELDS A.S.M.E. CODE WELDED. PICKLED AND BRUSHED.
 - ALL STAINLESS SURFACES PASSIVATED.
 - ALL CARBON STEEL TO RECEIVE ONE SHOP COAT OF PRIMER.
 - ALL FLANGE BOLT HOLES TO STRADDLE CENTER LINES OF VESSEL EXCEPT AS OTHERWISE NOTED.
- EST. WEIGHT (EMPTY) = 1100 LBS
- EST. WEIGHT (FULL OF H₂O) = 1500 LBS

RECEIVED

JUN 28 1991

U I WILLIAMS

RECEIVED

JUN 10 1991

U I WILLIAMS

CUSTOMER: SOFIX CORPORATION TAG NO. C-4131

PERRY PRODUCTS CORPORATION

MOUNT LAUREL ROAD • HAINESPORT, NEW JERSEY 08036

DRN: *[Signature]*

DATE: 6/21/91

CHKD: JH

SER. NO. B-4017

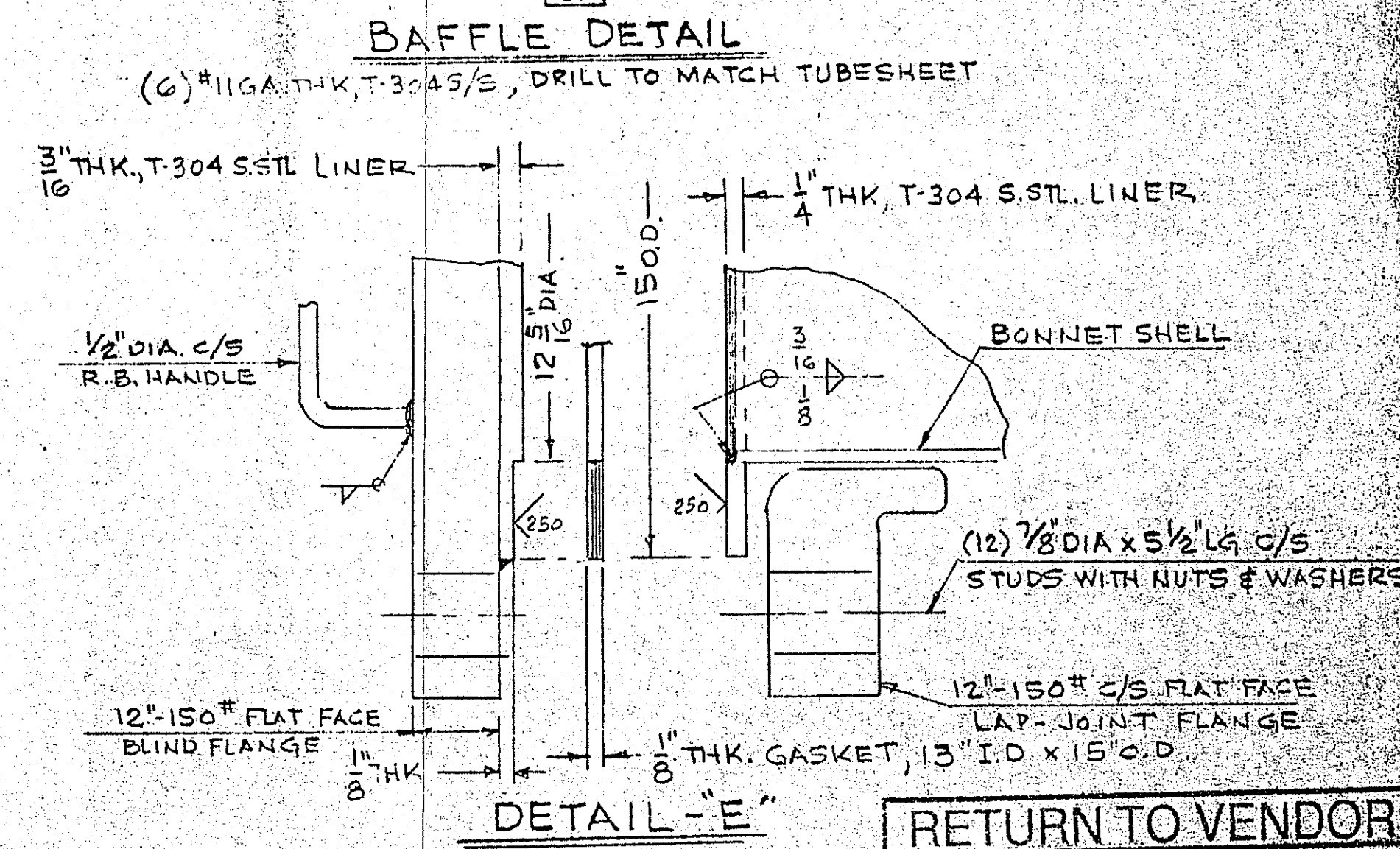
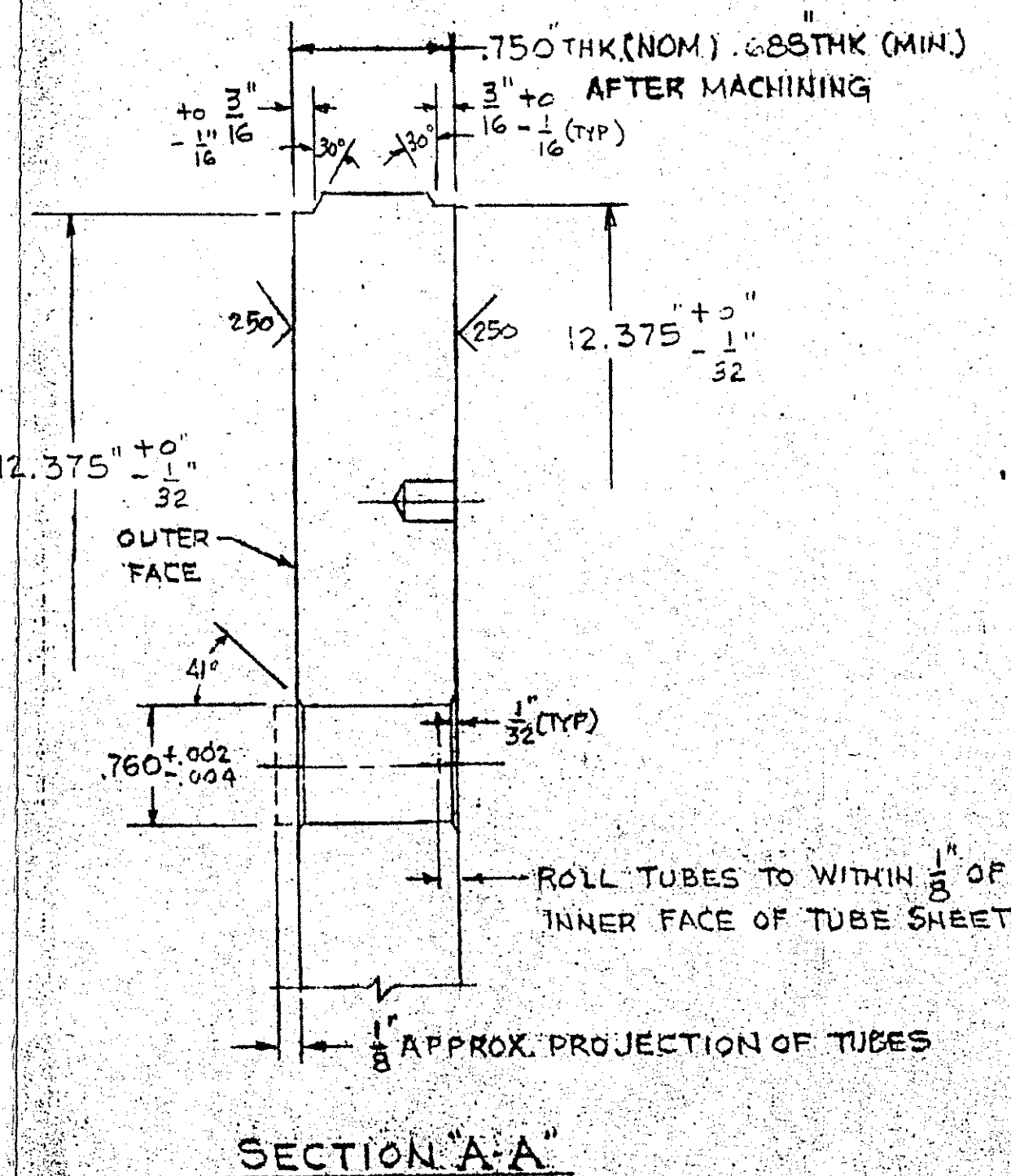
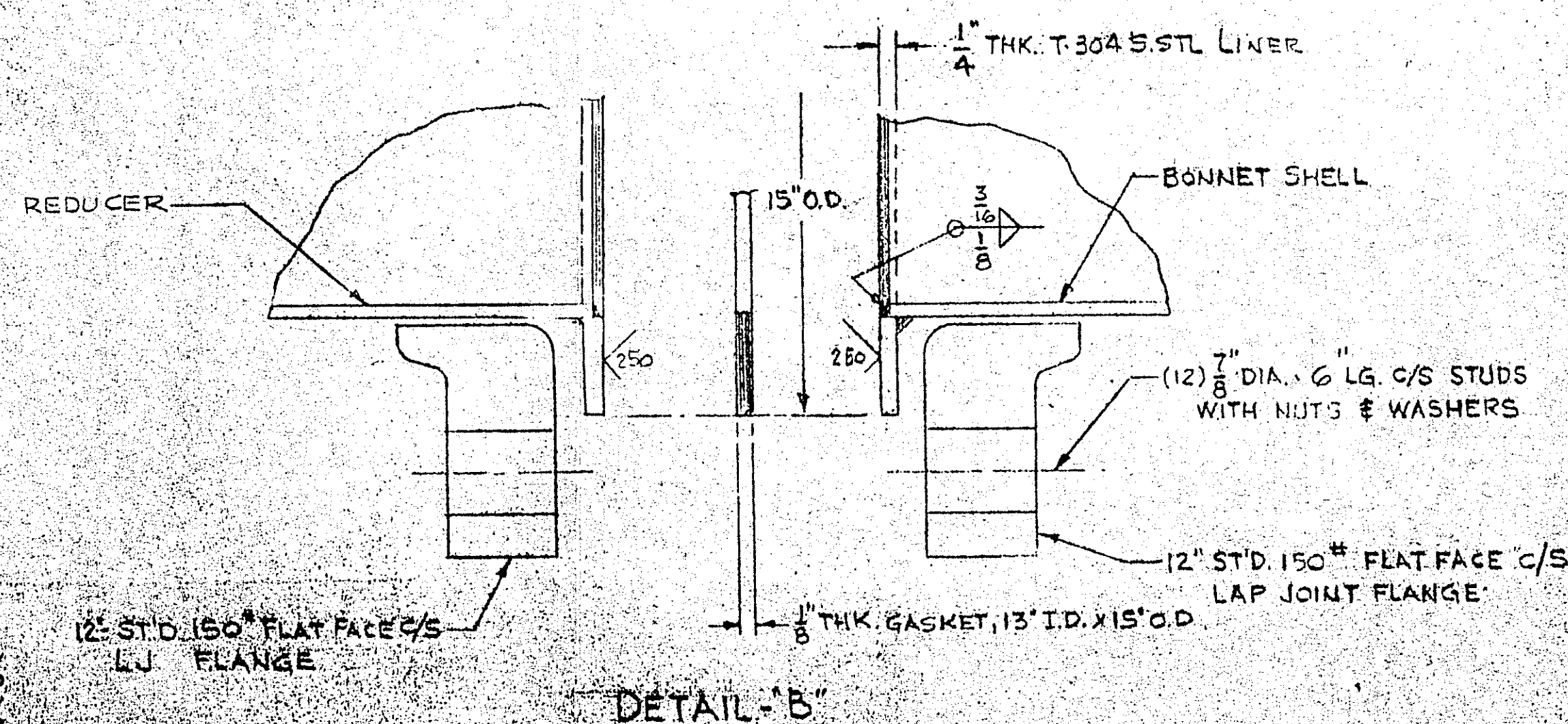
JOB NO. 13963

DWG. NO. D-91130

(1) 12" SIZE (166") HEAT EXCHANGER

NO.	DATE	BY	REVISIONS
1			

THIS DRAWING IS THE PROPERTY OF
 3M COMPANY PRODUCTS CORP. AND
 IS NOT TO BE REPRODUCED, ANY
 INFORMATION SHOWN HEREIN IS
 NOT TO BE DISCLOSED WITHOUT
 WRITTEN PERMISSION



REVIEWED

FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT
OF THE PROJECT AND CONTRACT DOCUMENTS,
NO RESPONSIBILITY IS ASSUMED FOR CORRECTNESS
OR DIMENSIONS OR DETAILS.

BY D. J. [Signature] DATE 6/20/91

☐ NOT ACCEPTABLE - NOT RELEASED FOR PRODUCTION - REVISE AND RESUBMIT
SUBJECT TO REVISION AS INDICATED. RELEASED FOR PRODUCTION - SUBMIT
CERTIFIED DRAWINGS

☒ NO EXCEPTION TAKEN - RELEASED FOR PRODUCTION - SUBMIT CERTIFIED
DRAWING

☐ CERTIFIED DRAWING ACCEPTED - RELEASED FOR PRODUCTION.

☐ NOT REQUIRED BY SIMONS FOR ENGINEERING DESIGN.

RECEIVED
JUN 10 1991
H. I. WILLIAMS

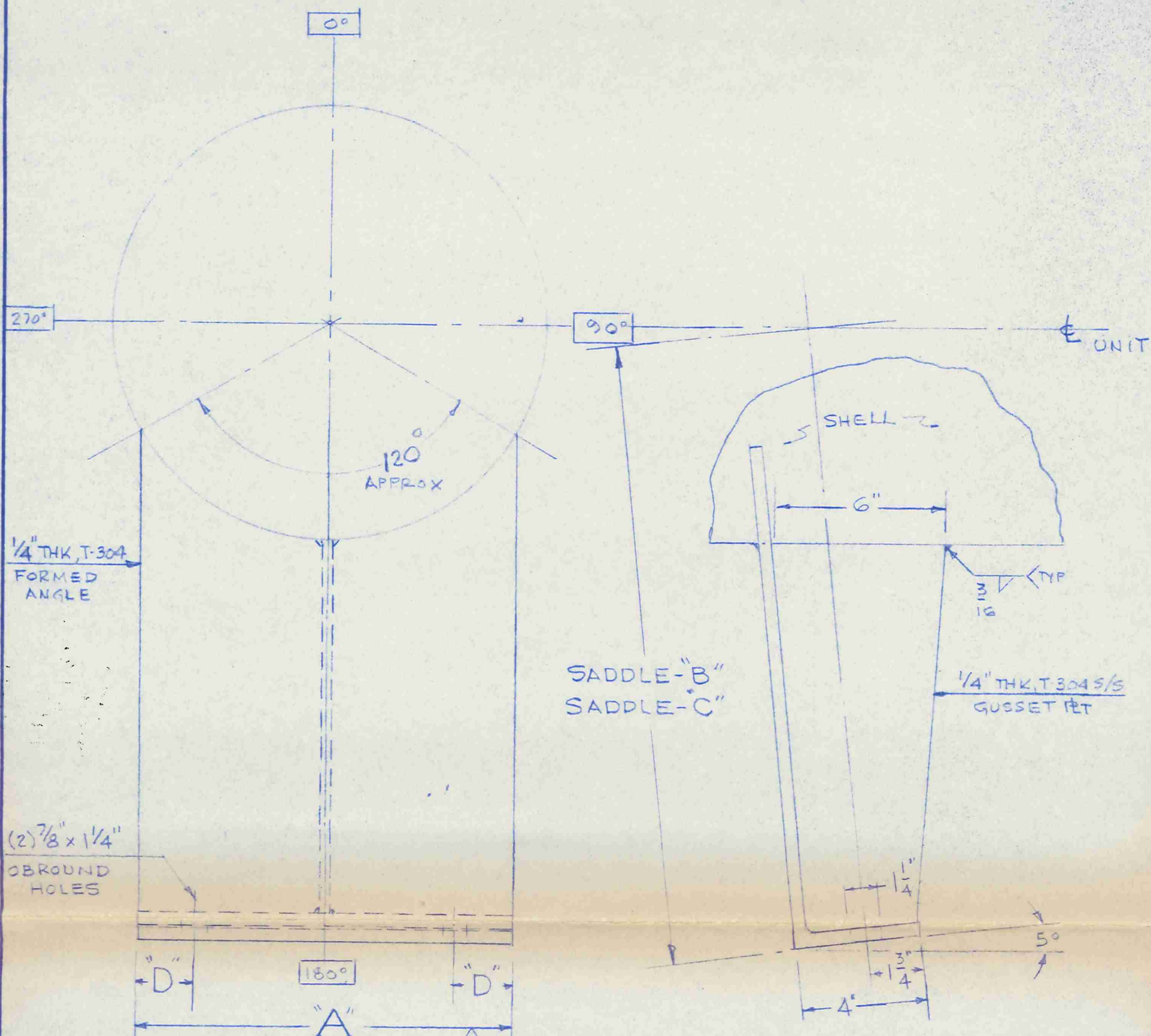
114437

MOUNT LAUREL ROAD • HAINESPORT, NEW JERSEY 08036

12" TUBE SHEET LAYOUT, WITH DETAILS.
1-PASS, 5/8" TUBES ON A 13/16" Δ PITCH

SER. NO.	B-4617	JOB NO.	3063	DWG. NO.	D-913
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				DRN. <i>11/1</i>	12" TUBESHEET LAYOUT, WITH DETAILS 1-PASS, 5/8" TUBES ON A 13/16" Δ PITCH
				DATE 2/4/91	
				CHKD. <i>J/H</i>	
Δ					
NO.	DATE	BY	REVISIONS	SER. NO. B-4617	JOB NO. 13003 DWG. NO. D-9113 10



JOB NO	UNIT NO	SIZE	"A"	SADDLE "B"	SADDLE "C"	"D"
13959	C-1081	—	—	—	—	—
13960	C-9031	14"	12"	24"		
13961	C-6031	10"	9 1/4"	16"	13 1/4"	1 1/4"
13962	C-9331	12"	11"	16"		
13963	C-4131	12"	11"	16"	11 3/16"	1 1/4"
13964	C-7131	12"	11"	24"		
13965	C-5131	10"	9 1/4"	24"	21 1/4"	2 5/8"
13966	C-5031	10"	9 1/4"	16"	13 1/4"	2 5/8"
13967	C-9131	10"	9 1/4"	16"	13 1/4"	2 5/8"
13968	C-6131	—	—	—	—	
13969	C-9081	—	—	—	—	
13970	C-7183	—	—	—	—	

CERTIFIED FOR FABRICATION

DATE 7/31/91 P. PROD

J. J. Products

NO.	DATE	BY	REVISIONS
1	7/16/91	<i>W. J. J.</i>	ADDED SADDLE "C" & DIM. "D"

PERRY PRODUCTS CORPORATION

MOUNT LAUREL ROAD • HAINESPORT, NEW JERSEY 08036

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DRN. <i>W. J. J.</i>	HEAT EXCHANGER, SADDLE DETAILS		
DATE 5/18/91			
CHKD. <i>W. J. J.</i>			
SER. NO.	JOB NO.	DWG. NO. B-91114	①

114437