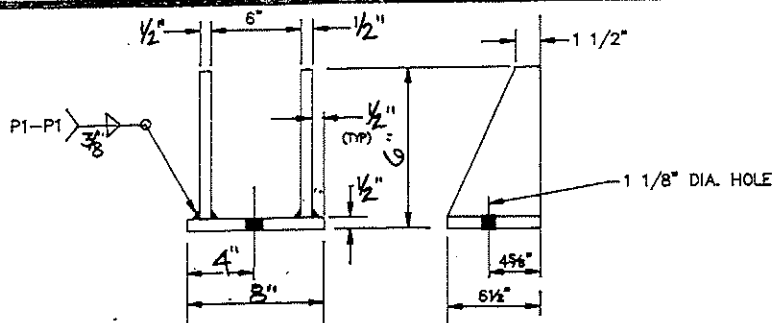
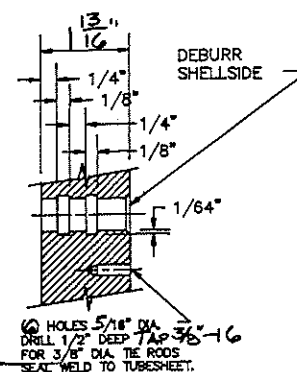




SUPPORT DETAIL
(4) REQUIRED



APR 8 1991

BPF 285566

SHEET 3

FABRICATION RELEASE

FOR GENERAL CONFORMITY
TO DIMENSIONS & MATERIALS
SPECIFIED

☒ APPROVED
☒ APPROVED AS
NOTED
☐ NOT APPROVED

BY DUPONT FOR THIS ORDER
E. I. DUPONT
NEW ORLEANS, LA 70002

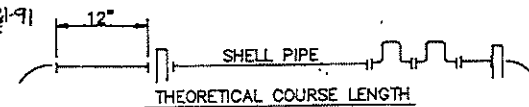
DATE 2-21-91
INITIALS

☐ C.ST'L
☒ 316L S.ST'L

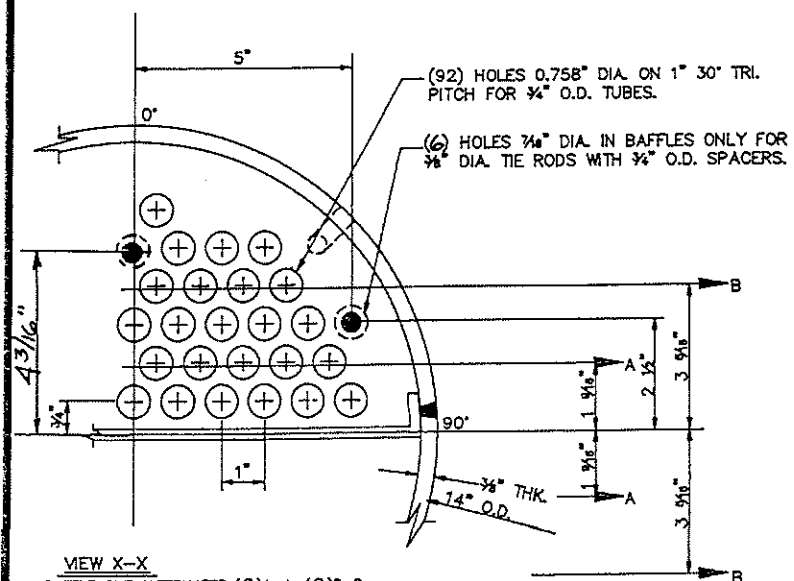
SOUTHERN

CAUTION

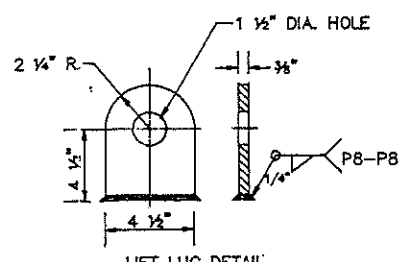
THE PRESSURE AND TEMPERATURES SHOWN ON THE S.H.E. NAMEPLATE
RELATE ONLY TO THE PRESSURE RETENTION CAPABILITY OF THIS
HEAT EXCHANGER. COMPONENTS OF THIS HEAT EXCHANGER HAVE
BEEN DESIGNED FOR SPECIFIC OPERATING CONDITIONS. A CHANGE IN
SERVICE OR DEVIATION FROM THE SPECIFIED OPERATING CONDITIONS
REQUIRES THAT A MECHANICAL DESIGN CHECK BE MADE IN ORDER
TO AVOID POSSIBLE DAMAGE TO THE HEAT EXCHANGER.



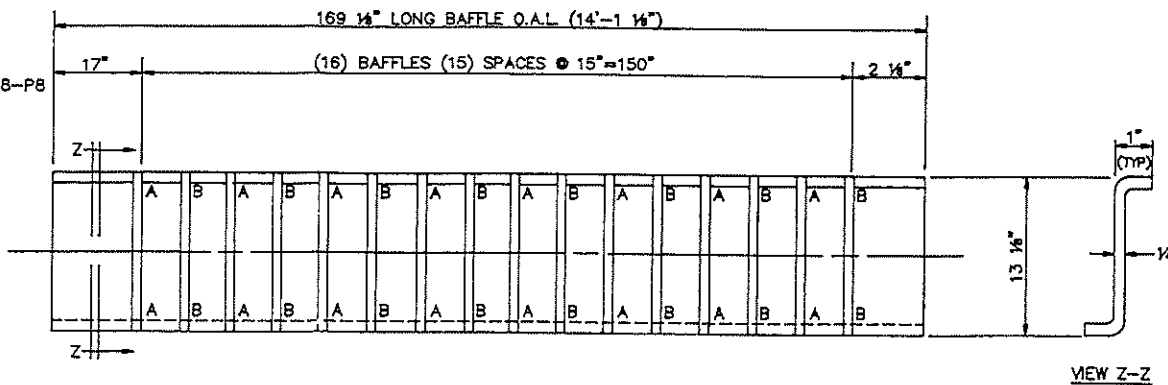
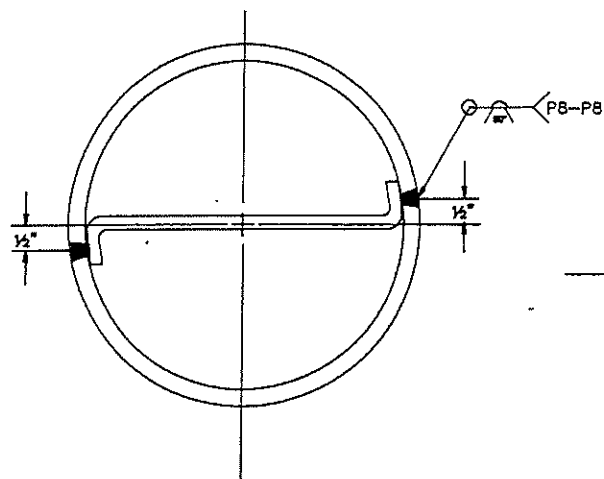
CERTIFIED	ENG. <i>[Signature]</i>
CUSTOMER E.I. DUPONT DE NEMOURS & COMPANY, INC.	
CUSTOMER P.O. NO. LPBC-96110U	
ITEM NO.	PROJ. NO. 6432
PLANT BEAUMONT, TEXAS	
EN. NO. 5116-7307-15	
TEMA SIZE AND TYPE	
(1) 13-192 BFM VACUUM JET AFTER CONDENSER	
SOUTHERN HEAT EXCHANGER CORP.	
P.O. BOX 030008 TUSCALOOSA, AL. 35403	
DATE 04/01/89	ORDER NO.
BY B. HUFF	89-037
DWG. NO. SP-2099-2	SHEET 3 OF 5



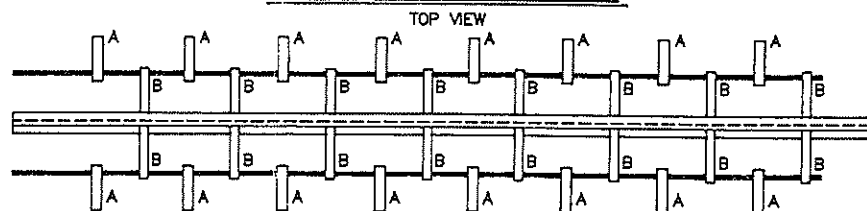
VIEW X-X
BAFFLE CUT ALTERNATES (8)A-A, (8)B-B
BAFFLE DIA.: 13.150"
O.T.L.: 11.0958"
TUBEHOLE DIA. IN BAFFLES: 25/32"



(6) REQ'D



CROSS BAFFLE TO LONG BAFFLE DETAIL



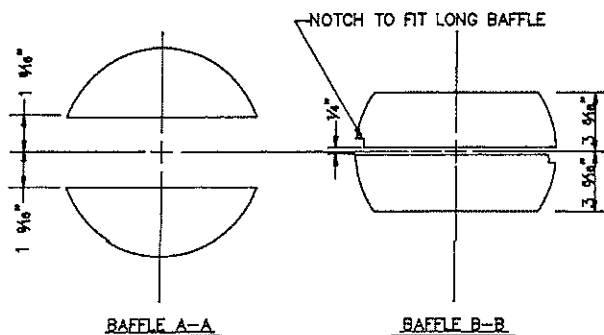
CROSS BAFFLE TO LONG BAFFLE DETAIL

SIDE VIEW

APR 8 1991

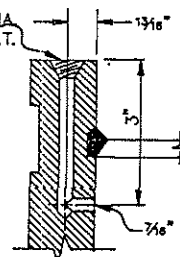
BPF 285566

SHEET # 4



CROSS BAFFLE DETAIL

(4) HOLES 37/64" DIA.
DRILL, TAP 3/8" N.P.T.



TUBESHEET VENT DETAIL

FABRICATION RELEASE

FOR GENERAL CONFORMITY
TO DIMENSIONS & MATERIALS
SPECIFIED

☒ APPROVED

☐ APPROVED AS
NOTED

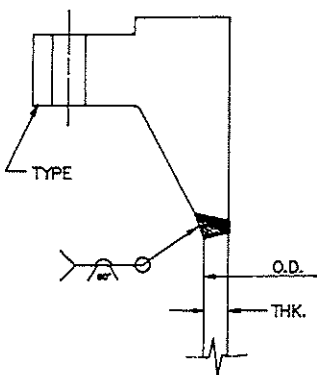
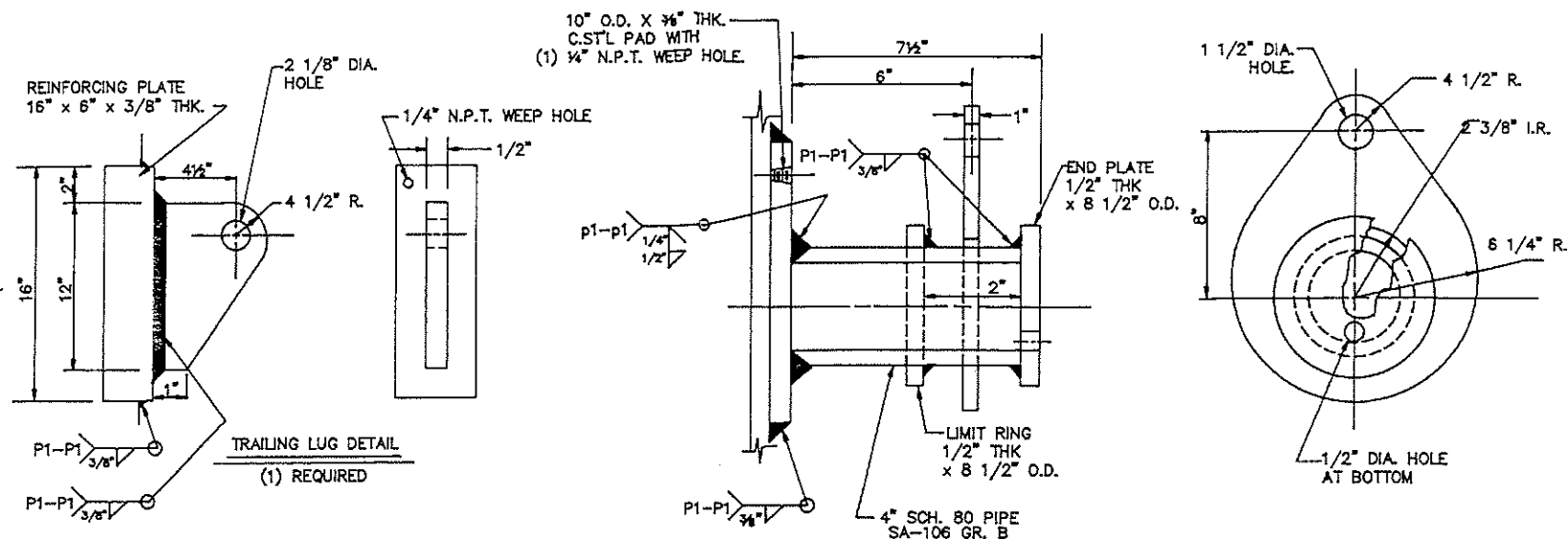
☐ NOT APPROVED

BY (SIGNATURE) FOR THIS ORDER

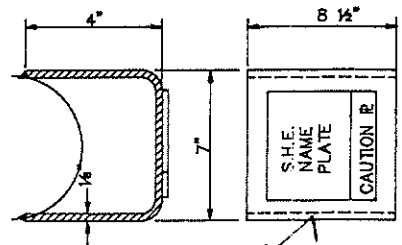
DATE (DATE) OF THIS ORDER

BY (SIGNATURE) 2-21-91

CERTIFIED	ENG. <i>[Signature]</i>
CUSTOMER E.I. DUPONT DE NEMOURS & COMPANY, INC.	
CUSTOMER P.O. NO. 1 PBC-96110U	
ITEM NO.	PROJ. NO. 6432
PLANT BEAUMONT, TEXAS	
EN. NO. 5116-7307-15	
TEMA SIZE AND TYPE	
(1) 13-192 BFM VACUUM JET AFTER CONDENSER	
SOUTHERN HEAT EXCHANGER CORP.	
P.O. BOX 030008 TUSCALOOSA, AL. 35403	
DATE 04/01/89	ORDER NO.
BY B. HUFF	89-037
DWG. NO. SP-2099-2	
SHEET 4 OF 5	



RFWN NOZZLE DETAIL



NAME PLATE BRACKET DETAIL

NOTE: NAME R MUST BE ATTACHED USING 304 S. ST'L DRIVE SCREWS.

S.H.E. MARK	TYPE	O.D.	THK.	MAT'L
U/V	3" 300#	3 1/2"	.216"	S.S.T'L
W1/W2	4" 150#	4 1/2"	.337"	C.ST'L
E3/Z	1" 300#	1.315"	.133"	S.S.T'L
Y	6" 300#	6 3/8"	.280"	S.S.T'L

FABRICATION RELEASE
FOR GENERAL CONFORMITY TO DIMENSIONS & MATERIALS SPECIFIED
☒ APPROVED
☐ APPROVED AS NOTED
☐ NOT APPROVED
BY DUPONT FOR THIS ORDER
E. I. DUPONT DE NEMOURS & CO.
DATE 2-22-91

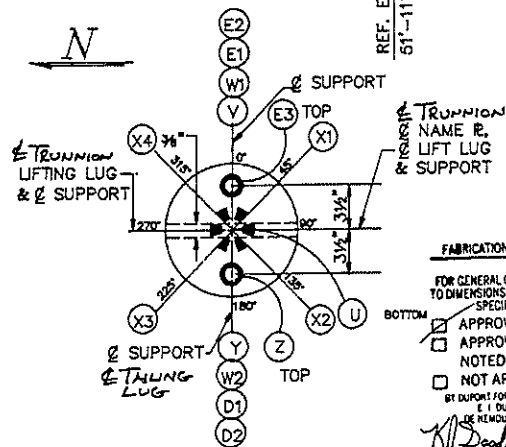
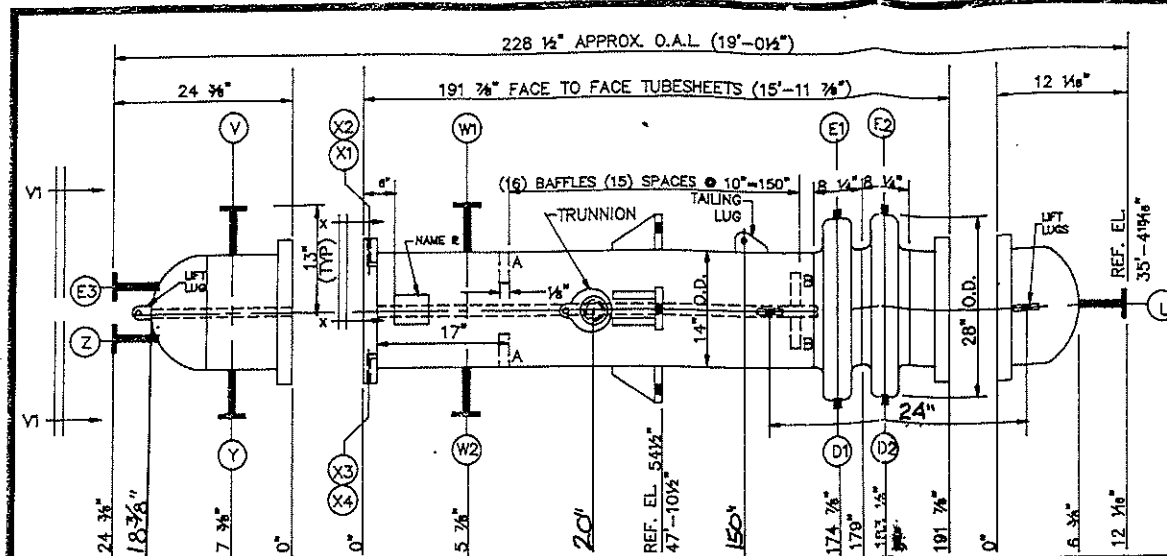
C.ST'L
304 S.S.T'L

TRUNNION DETAIL
(2) REQUIRED

APR 8 1991

BPF 285566
5

CERTIFIED	ENG. 44-16
CUSTOMER E.I. DUPONT NEMOURS & COMPANY, INC.	
CUSTOMER P.O. NO. LPBC-96110W	
ITEM NO.	PROJ. NO. 6432
PLANT BEAUMONT, TEXAS	
EN. NO. 5116-7307-15	
TEMA SIZE AND TYPE	
(1) 13-192 BFM VACUUM JET AFTER CONDENSER	
SOUTHERN HEAT EXCHANGER CORP.	
P.O. BOX 030008 TUSCALOOSA, AL. 35403	
DATE 08-10-89	ORDER NO.
BY N.B.Y.	89-037
DWG. NO. SP-2099-2	SHEET 5 OF 5



ORIENTATION
VIEW V1-V1

FABRICATION RELEASE

FOR GENERAL CONFORMITY
TO DIMENSIONS & MATERIALS
SPECIFIED

☒ APPROVED
☒ APPROVED AS
NOTED

☐ NOT APPROVED
BY DUPONT FOR THIS ORDER
E. I. DUPONT
DE REMOIRS 800

[Signature]
DATE 2-28-71

ANS NOZZLE SCHEDULE					
	SIZE	RATE	FACE	NOZZLE NECK	SERVICE
TUBE SIDE					
Y	4"	300#	RFWN	SCH. 40	INLET
V	3"	300#	RFWN	SCH. 40	VAPOR OUTLET
U	3"	300#	RFWN	SCH. 40	LIQUID OUTLET
E3	1"	300#	RFWN	SCH. 40	VENT
Z	1"	300#	RFWN	SCH. 40	INLET
SHELL SIDE					
W1	4"	150#	RFWN	SCH. 80	INLET
W2	4"	150#	RFWN	SCH. 80	OUTLET
E1-E2	3/4"	6000#	THD.	W-72, W-77, W-81	VENT
D1-D2	3/4"	6000#	THD.	W-72, W-77, W-81	DRAIN
X1-4	3/8"		N.P.T.		TUBESHEET VENT
WPS P1-P1	W-42(SMAW)	W-72(FCAW)	W-89(SAW)		
WPS P1-P8	W-2(SMAW)	W-112(FCAW)	W-100(SAW)		
WPS P8-P8	W-3(SMAW)	W-81(FCAW)	W-90(SAW)		

ASME CODE REQUIREMENTS

	SHELL SIDE	TUBE SIDE
DESIGN PRESSURE	PSIG 75	225
DESIGN TEMPERATURE (MAX/MIN) °F	400/15	400/15
HYDRO. TEST PRESSURE	PSIG 115	340
CORROSION ALLOWANCE (5-5.5/5.5)	1/8"	NONE
POSTWELD HEAT TREATMENT	NONE	NONE
RADIOGRAPHIC EXAMINATION	SPOT	
METAL TEMP. (TEMA 8th ED.) °F	400/70/87/70	400/253/70/300

ASME CODE STAMP / NAT'L REG. IS REQUIRED.
CUSTOMER INSPECTION IS REQUIRED
SPECIFICATIONS: 1988 ASME CODE SECT. VIII DIV. 1 ADDENDA-A87
SPECIAL SERVICE: NONE CODE CASE: NONE PARTIAL DATA REPORTS: NONE
TEMA (8) D1C G5C G7B; SGT1; SG2S; SU2A; SW3000; G111S
TUBES: SA-249 TP 316L PER DUPONT SPEC. SW3000 TYPE 1 CAT. II WALLS VG.
NO. 92 O.D. 3/4" BWG 16 LENGTH: 192 (16'-0")
TUBESHEETS: SA-240 TP 316L

PART	SHELL SIDE	TUBE SIDE
VESSEL	SA-106 GR.B (SMLS)	SA-240 TP 316L
COVERS		
FORMED HEADS	SA-516 GR. 70	SA-240 TP 316L
BODY FLANGES		SA-516 GR. 70
NOZZLE FLANGES	SA-105	SA-182 F 316L
NOZZLE PIPE	SA-106 GR.B (SMLS)	SA-312 TP 316L
STUDS/NUTS	SA-193-87/SA-194-2H	SA-193-87/SA-194-2H
GASKETS	SU2A GR. 1.2	1/8" THK. KEVLAR

APR 8 1991

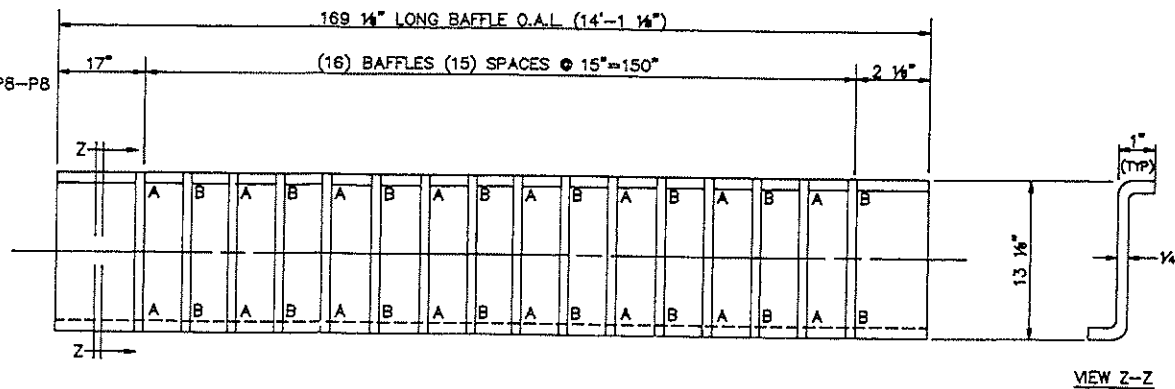
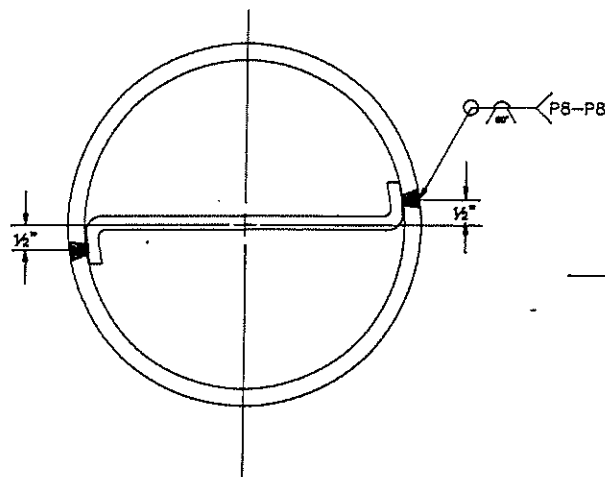
BPF 285566

REVISIONS

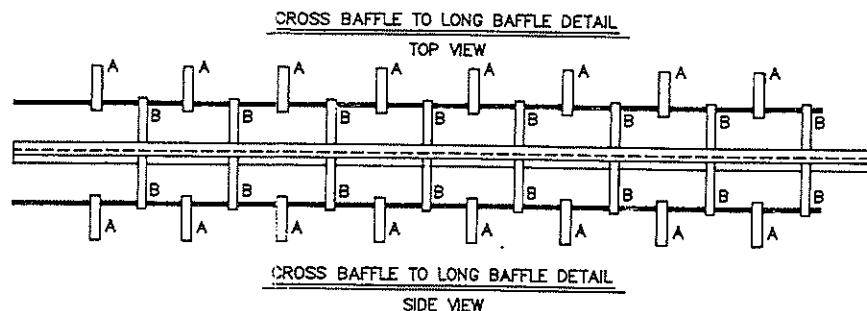
Sheet 1

2	2/8/90	ADDED BONNET WEIGHTS. & Rev. SIZE OF Y
1	1/8/90	GEN. REV.
CERTIFIED	ENG. <i>[Signature]</i>	
CUSTOMER E. I. DUPONT DE NEMOURS & COMPANY, INC.		
CUSTOMER P.O. NO. LPBC-96110U		
ITEM NO.		PROJ. NO. 6432
PLANT BEAUMONT, TEXAS		
EN NO. 5116-7307-15		

TEMA SIZE AND TYPE
(1) 13-192 BFM VACUUM JET AFTER CONDENSER
SOUTHERN HEAT EXCHANGER CORP.
P.O. BOX 030008 TUSCALOOSA, AL. 35403
DATE 04/01/89 ORDER NO. DWG. NO. SP-2099-2
BY B. HUFF 89-037 SHEET 1 OF 5



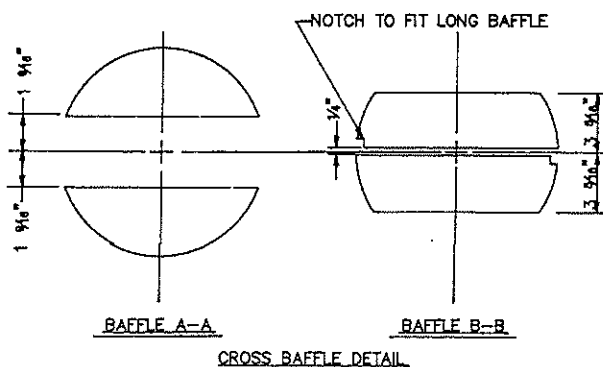
C.STL
 316L S.STL



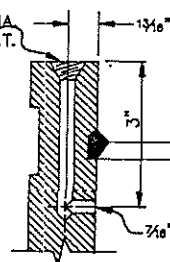
APR 8 1991

BPF 285566

SHEET # 4



(4) HOLES 37/64\" DIA
DRILL, TAP 3/8\" N.P.T.



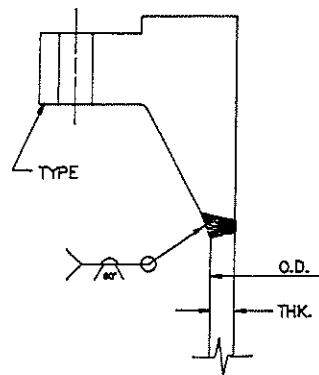
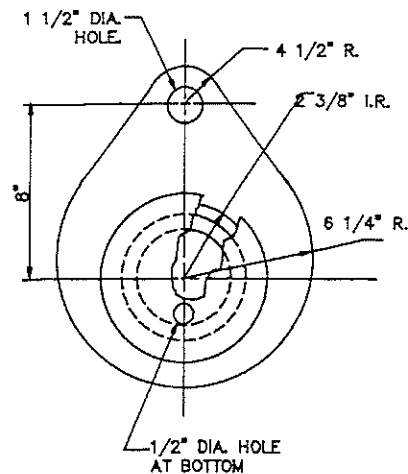
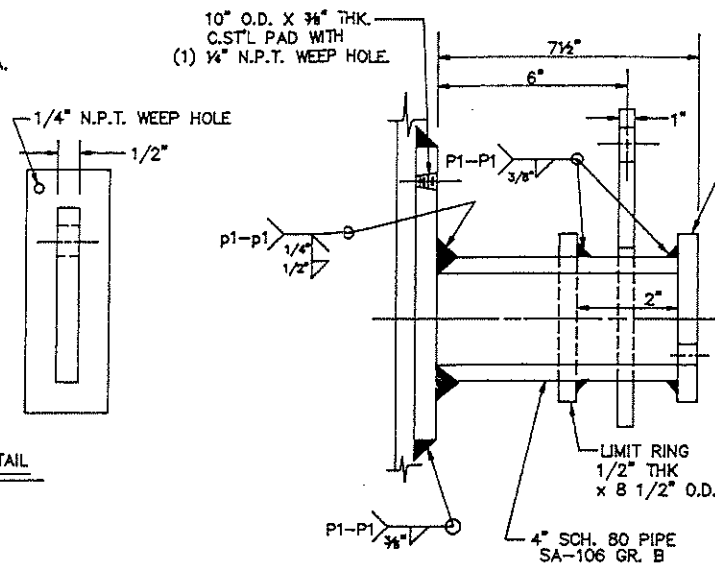
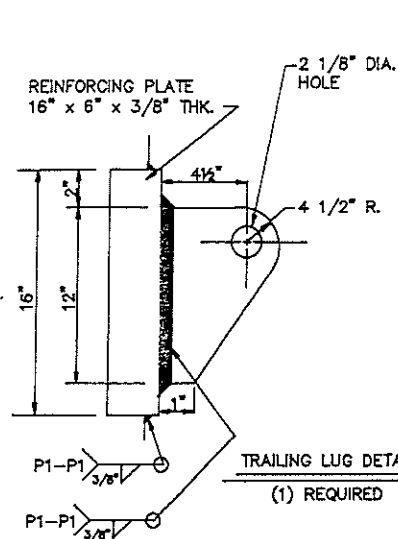
FABRICATION RELEASE

FOR GENERAL CONFORMITY
TO DIMENSIONS & MATERIALS
SPECIFIED

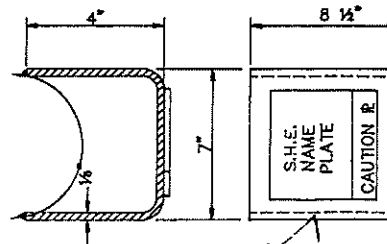
☒ APPROVED
☐ APPROVED AS
 NOTED
☐ NOT APPROVED

BY DUPONT FOR THIS ORDER
 OF DUPONT & CO
 22-7

CERTIFIED	ENG. <i>W-115</i>	
CUSTOMER E.I. DUPONT DE NEMOURS & COMPANY, INC.		
CUSTOMER P.O. NO. 1 PBC-96110U		
ITEM NO.	PROJ. NO. 6432	
PLANT BEAUMONT, TEXAS		
EN. NO. 5116-7307-15		
TEMA SIZE AND TYPE		
(1) 13-192 BFM VACUUM JET AFTER CONDENSER		
SOUTHERN HEAT EXCHANGER CORP.		
P.O. BOX 030008 TUSCALOOSA, AL. 35403		
DATE 04/01/89	ORDER NO.	DWG. NO. SP-2089-2
BY B. HUFF	89-037	SHEET 4 OF 5



RFWN NOZZLE DETAIL



NAME PLATE BRACKET DETAIL

NOTE: NAME R MUST BE ATTACHED USING
304 S. STL DRIVE SCREWS.

TRUNNION DETAIL
(2) REQUIRED

FABRICATION RELEASE

FOR GENERAL CONFORMITY
TO DIMENSIONS & MATERIALS
SPECIFIED

- ☒ APPROVED
☐ APPROVED AS
NOTED
☐ NOT APPROVED

BY DUPONT FOR THIS ORDER
E. I. DUPONT
NEMOURS & CO.

DATE 2-21-91

C.ST'L
304 S.ST'L

APR 8 1991

BPF 265566

5

S.H.E. MARK	TYPE	O.D.	THK.	MAT'L
U/V	3"	300#	3 1/2"	216 S.S.T'L
W1/W2	4"	150#	4 1/2"	337 C.S.T'L
E3/Z	1"	300#	1.315"	133 S.S.T'L
Y	6"	300#	6 3/4"	280 S.S.T'L

CERTIFIED	ENG. <i>PH-16</i>
CUSTOMER E.I. DUPONT NEMOURS & COMPANY, INC.	
CUSTOMER P.O. NO. LPBC-96110W	
ITEM NO.	PROJ. NO. 6432
PLANT BEAUMONT, TEXAS	
EN. NO. 5116-7307-15	
ITEM SIZE AND TYPE	
(1) 13-192 BFM VACUUM JET AFTER CONDENSER	
SOUTHERN HEAT EXCHANGER CORP.	
P.O. BOX 030008 TUSCALOOSA, AL. 35403	
DATE 08-10-89	ORDER NO.
BY N.B.Y.	89-037
DWG. NO. SP-2099-2	SHEET 5 OF 5

as reqd by the provisions of the ASME Code rules, Sec VIII, Division 1

89-037

5116-7307-15

1. Manufactured and certified by Southern Heat Exchanger Corp. 400 65th St. E., Tuscaloosa, AL
(name and address of manufacturer)
2. Manufactured for E.I. duPont de Nemours & Co. Inc. Wilmington, DE.
(name and address of purchaser)
3. Location of installation E.I. duPont de Nemours & Co. Inc. BEAUMONT, TX.
(name and address)
4. Type H. EXCH. 89-037 — SP-2099-2 5790 1990
(type, or var., tank) (mfr's. serial no.) (CRN) (drawing no.) (Nat'l. Bd. no.) (year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Code, Section VIII, Division 1: 1986
(year)

AB7

(addenda (Date))

(Code Case no.)

(special service per UG-125(d))

Items 6-11 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: SA-106 B .375" .125" 1'-1.250" 15'-11.875"
(mat'l. spec. no., grade) (nom. thickness (in.)) (corr. allow. (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))
7. Seams: SmLS. — 95% — — SNGL. BUTT SPOT 2
(long. (dbl., singl.)) (RT (spot or full)) (eff. (%)) (HT temp. (°F)) (time) (girth (dbl., singl.)) (RT (spot, partial, or full)) (no. of courses)
8. Heads: (a) SA-516-70 (mat'l. spec. no., grade) (b) — (mat'l. spec. no., grade)

	Location (top, bottom, ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	<u>Bottom</u>	<u>.3125"</u>	<u>.125"</u>	<u>(2) SETS</u>	<u>28" O.D.</u>	<u>FLANGED & FLUED HEADS</u>				<u>FLAT</u>
(b)										

If removable, bolts used (describe other fastenings):

LINE 7.

(mat'l. spec. no., gr., size, no.)

9. Type of jacket: None Proof test: —
10. Jacket closure: None (If bar, give dimensions: — If bolted, describe or sketch.)
(describe as ogee & weld, bar, etc.)
11. MAWP: 75 at max. temp. 400 Min design metal temp.: 15 at 75 Hydro. ~~XXXXXX~~ test pressure 115
(psi) (°F) (°F) (psi)

Items 12 and 13 to be completed for tube sections.

12. Tubesheets: SA-240-316L 18" 1.9125" 0 WELDED.
(stationary mat'l. spec. no., gr.) (dia. (in.) (subject to pressure)) (nom. thickness (in.)) (corr. allow. (in.)) (attachment (welded, bolted))
13. Tubes: SA-249-316L 750" 16 92 STRAIGHT
(floating mat'l. spec. no., gr.) (dia. (in.)) (nom. thickness (in.)) (corr. allow. (in.)) (attachment (type (straight or U))

Items 14-17 inclusive to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

14. Shell: SA-240-316L .250" 0 1'-1.50" 1'-6.375"
(mat'l. spec. no., gr.) (nom. thickness (in.)) (corr. allow. (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))
15. Seams: SNGL. BUTT SPOT 95% — — SNGL. BUTT — 1
(long. (dbl., singl.)) (RT (spot or full)) (eff. (%)) (HT temp. (°F)) (time) (girth (dbl., singl.)) (RT (spot, partial, or full)) (no. of courses)
16. Heads: (a) SA-240-316L (mat'l. spec. no., grade) (b) — (mat'l. spec. no., grade)

	Location (top, bottom, ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	<u>TOP/BOTTOM</u>	<u>.250"</u>	<u>0</u>			<u>2:1</u>				<u>CONCAVE</u>
(b)										

If removable, bolts used (describe other fastenings):

SA-193-B7 (24) EA. 5/8"-11.

(mat'l. spec. no., gr., size, no.)

17. MAWP: 225 at max. temp. 400 Min design metal temp.: 15 at 225 Hydro. ~~XXXXXX~~ test pressure 340
(psi) (°F) (°F) (psi)

18. Nozzles, inspection and safety v. openings:

[illegible]

19. Supports: Skirt No Lugs 4 Legs _____ Other _____ Attached SWELL, WELDED.

20. Remarks: Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: _____

"UG-46(a)" "UG-20(f)"

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

"I" Certificate of Authorization no. 7037 expires Feb. 28, 19 91

Date 04-20-90 Name Southern Heat Exchanger Corp.
(manufacturer)

Signed Daniel J. Noland
(representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Southern Heat Exchanger Corporation at Tuscaloosa, AL

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or province of _____ and employed by Commercial Union Insurance Co.

I, James J. O'Connell, of Boston, MA, have inspected the pressure vessel described in this Manufacturers' Data Report on 04-20, 19 90, and state that, to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in the Manufacturers' Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 04-20-90 Signed B. M. Woods Commissions NB5446 NY 2182

(Authorized Inspector) **B. M. Brooks**

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the field assembly construction of all parts of this vessel conforms with the requirements of Section VIII, Division 1 of the ASME BOILER AND PRESSURE VESSEL CODE.

"U" Certificate of Authorization no. _____ expires _____ 19____

Date _____ Name _____

(assembly that certified and constructed field assembly)

(representative)

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or province of _____ and employed by _____

We, _____ Of _____ have compared the statements in this Manufacturers' Data Report with the described pressure vessel and state that parts referred to as data items _____ not included in the

certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief, the manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test of _____ psi.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in the Manufacturers' Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Authorized Inspector

(Nat'l. Bd. Incl. 8000/5000000) state, prov and no.]

THERMAL RATING - SHELL AND TUBE HEAT EXCHANGERS

F.A.A. No. 7307-15 Quantity 1 Cooler ☒ Condenser ☐ Vaporizer ☐ Heater ☐
 Project No. 6432 Plant BEAUMONT Rated by H-F. HUBLEIN Date 1/18/89

This is not a complete specification. See Standard Engineering Specification SG7E, "Shell and Tube Heat Exchanger Procurement Work Sheet" for additional information which must be furnished vendor.

MATERIALS

Tubes: 316 L S/S

VACUUM JET AFTER Condenser

CONSTRUCTION

Type Name: ☒ Fixed tube sheet ☐ U-tube ☐ External floating head
☐ Internal floating head ☐ Kettle reboiler

Type Figure: ☒ SG1E Figure 2A ☐ 2B ☐ 2C ☐ 3A ☐ 3B ☐ 3C ☐ 3D ☐ 4A ☐ 4B ☐ 5A ☐ 5B ☐ 5C ☐ 5D ☐ 6A ☐ 6B ☐ 6C
 With Weir Without Weir

TEMA Type Designation: BFM

Position: ☒ Vertical ☐ Horizontal ☐ Inclined _____ degrees

Top (front) head: ☒ Bonnet ☐ Channel ☐ Cone ☐ Elbow
 Bottom (rear) head: ☒ Bonnet ☐ Channel ☐ Baffle ☐ Funnel separator ☐ Cone
☐ Elbow ☐ Cover plate

Shell expansion joint: ☒ Required ☐ Not required

	Tube Side	Shell Side
Design temperature _____ °C		_____ °C
Design pressure _____ psig		_____ psig
Fluid ☒ Boiling liquid		☒ Boiling liquid ☐ Nonpulsating
☒ Gas + Condensing vapor		☐ Gas ☐ Condensing vapor

SIZE

No. shells per unit	<u>1</u>	Finned tube	<u>-</u> in.
No. tube passes per shell	<u>2</u>	Tube OD	<u>0.25</u> in.
Outside area per shell	<u>290</u> sq ft	Tube wall thick.	<u>0.065</u> in.
Outside area per unit	<u>290</u> sq ft	Tube pitch	<u>1</u> in.
Nominal shell ID	<u>13</u> in.	Tube pattern	☒ Triangular ☐ Rotated square
No. tubes per shell	<u>92</u>		☐ Square
Tube length	<u>16</u> ft	Baffle pitch	<u>10</u> in.
		Baffle cut	<u>23</u> % of dia.
Shell Type ☐ E ☒ F ☐ J		Baffle type	☐ Segmental ☐ Double Segmental
		No. pairs of sealing devices	_____

CONNECTIONS (Per SG1E Par. 20)

Front or top head	<u>8</u> " inlet	<u>3" VENT</u> " outlet	_____ " _____
Rear or bottom head	_____ " inlet	<u>2" LIQ</u> " outlet	_____ " _____
Shell	<u>4</u> " inlet	<u>4</u> " outlet	_____ " _____

PERFORMANCE PER UNIT

	Tube Side	Shell Side
Load	<u>944400</u> Pcu/hr	<u>-</u>
Fluid	<u>PROCESS</u>	<u>WATER</u>
Total fluid in	<u>2024</u> lb/hr	<u>200</u> gpm <u>20</u> ft ³ /hr
Condensate out	<u>1954</u> lb/hr	<u>-</u> lb/hr
Vapor out	<u>70</u> lb/hr	<u>-</u> lb/hr
Inlet temperature	<u>122.8</u> °C	<u>30.6</u> °C
Outlet temperature	<u>38</u> °C	<u>40</u> °C
Normal operating pressure	<u>1</u> psig <u>-mmHg abs</u>	<u>-</u> psig <u>-mmHg abs</u>
Pressure drop	<u>0.4</u> psi <u>-mmHg</u>	<u>6</u> psi <u>-mmHg</u>

* SEE ATTACHED SKETCH.

TITLE OF PROJ OR STUDY

" TYPE SHELL "

PROJ OR STUDY NO. 6432

SUBJECT VACUUM JET AFTER Condenser

WORKS BEAUMONT

7307-15

COMPUTER H.F. Hubblein

DATE 11 18 1989

