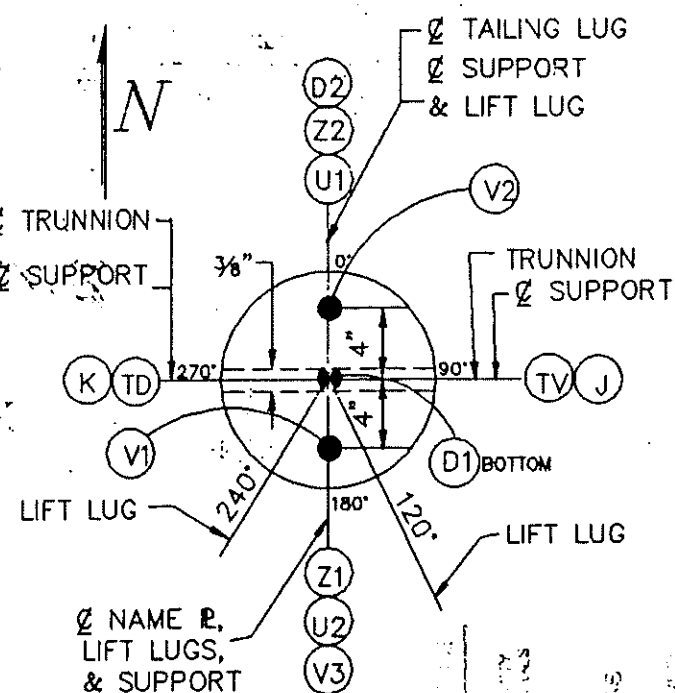




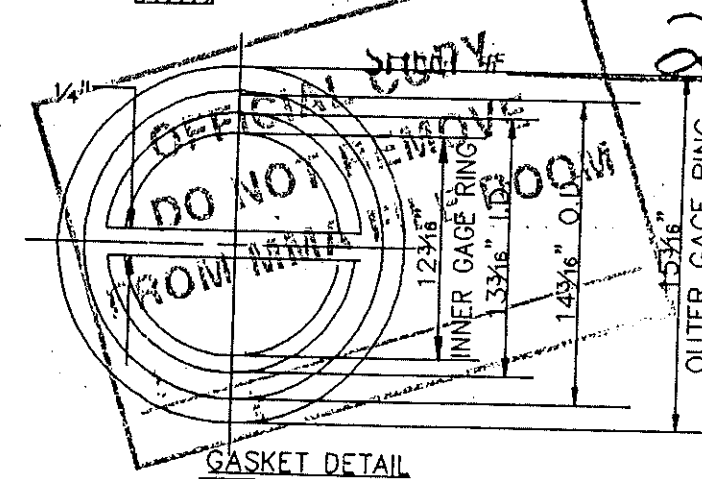
★ FURNISH WITH STUDS, NUTS, GASKET & BLIND		
WPS P8-P8	W-3(SMAW) W-81(FCAW) W-90(SAW)	
WPS P1-P8	W-2(SMAW) W-112(FCAW) W-100(SAW)	
WPS P1-P1	W-42(SMAW) W-72(FCAW) W-89(SAW)	

ASME CODE REQUIREMENTS			
		SHELL SIDE	TUBE SIDE
DESIGN PRESSURE	PSIG	150	150
DESIGN TEMPERATURE (MAX/MIN)	F	302/-13	302/-13
HYDRO. TEST PRESSURE	PSIG	225	225
CORROSION ALLOWANCE	(C.S.T.L ONLY)	NONE	NONE
POSTWELD HEAT TREATMENT		NONE	NONE
RADIOGRAPHIC EXAMINATION		FULL	
METAL TEMP. (TEMA 6th ED.)	F	302/75/21/70/70/302	302/59/59/32/302/302
ASME CODE STAMP / NAT'L BD. REG IS REQUIRED.			
CUSTOMER INSPECTION IS REQUIRED			
SPECIFICATIONS: 1986 ASME CODE SECT. VIII DIV. 1 ADDENDA-A87			
SPECIAL SERVICE: ☒ CODE CASE: NONE PARTIAL DATA REPORTS: NONE			
TEMA (B) GIC: G5C; G7B; P6E; SG1E; S32S; SG4T; SU2A; SW3COM; C111SI			
TUBES: SA-213 TP 304L PER SW3COM TYPE 3 CAT. III-C.WALL: AVG.			
NO. 96 O.D. 3/4" BWG. 16 LENGTH: 192 (16'-0")			
TUBESHEETS: SA-240 304L			
☒ LETHAL SERVICE TUBE SIDE			
PART	SHELL SIDE		TUBE SIDE
VESSEL	SA-312 TP 304L		SA-240 TP 304L
COVERS			
FORMED HEADS	SA-240 TP 304L		SA-240 TP 304L
BODY FLANGES			SA-182F 304L
NOZZLE FLANGES	SA-182 F 304L		SA-182 F 304L
NOZZLE PIPE	SA-312 TP 304L		SA-312 TP 304L
STUDS/NUTS	SA-193 B8M CL II/SA-194-BB		SA-193 B8M CL II/SA-194-BB
GASKETS	U2A G-62G4		0.175" THK. 304 S.S.T.L. SPIRAL WOUND GRAPHITE FILLED WITH 1/8" 304 S.S.T.L. INNER & OUTER GAGE RINGS
INSULATION	2"		2"
MAY 09 1990			
REVISIONS			
3	1/26/90	REV. SUPPORTS	298457
2	12/14/89	GEN. REV. MOVE	
1	10/1/89	GEN. REV.	
CERTIFIED		ENG.	
CUSTOMER E.I. DUPONT DE NEMOURS & COMPANY, INC.			
CUSTOMER P.O. NO. LPBC-96110W			
ITEM NO.		PROJ. NO. 6432	
PLANT BEAUMONT, TEXAS			
EN NO. 5111-7062-15-1&2			
TEMA SIZE AND TYPE			
(2) 12-192 BFM ACETONE INTERCHANGER			
SOUTHERN HEAT EXCHANGER CORP.			
P.O. BOX 030008 TUSCALOOSA, AL. 35403			
DATE 03/06/89	ORDER NO.	DWG. NO. SP-2090- 3	
BY B. HUFF	89-028 A/B	SHEET 1 OF 6	

- (36) HOLES $\frac{3}{4}$ " DIA. ON $17\frac{1}{4}$ " B.C.
FOR $\frac{5}{8}$ "-11 STUDS $6\frac{1}{2}$ " LONG.



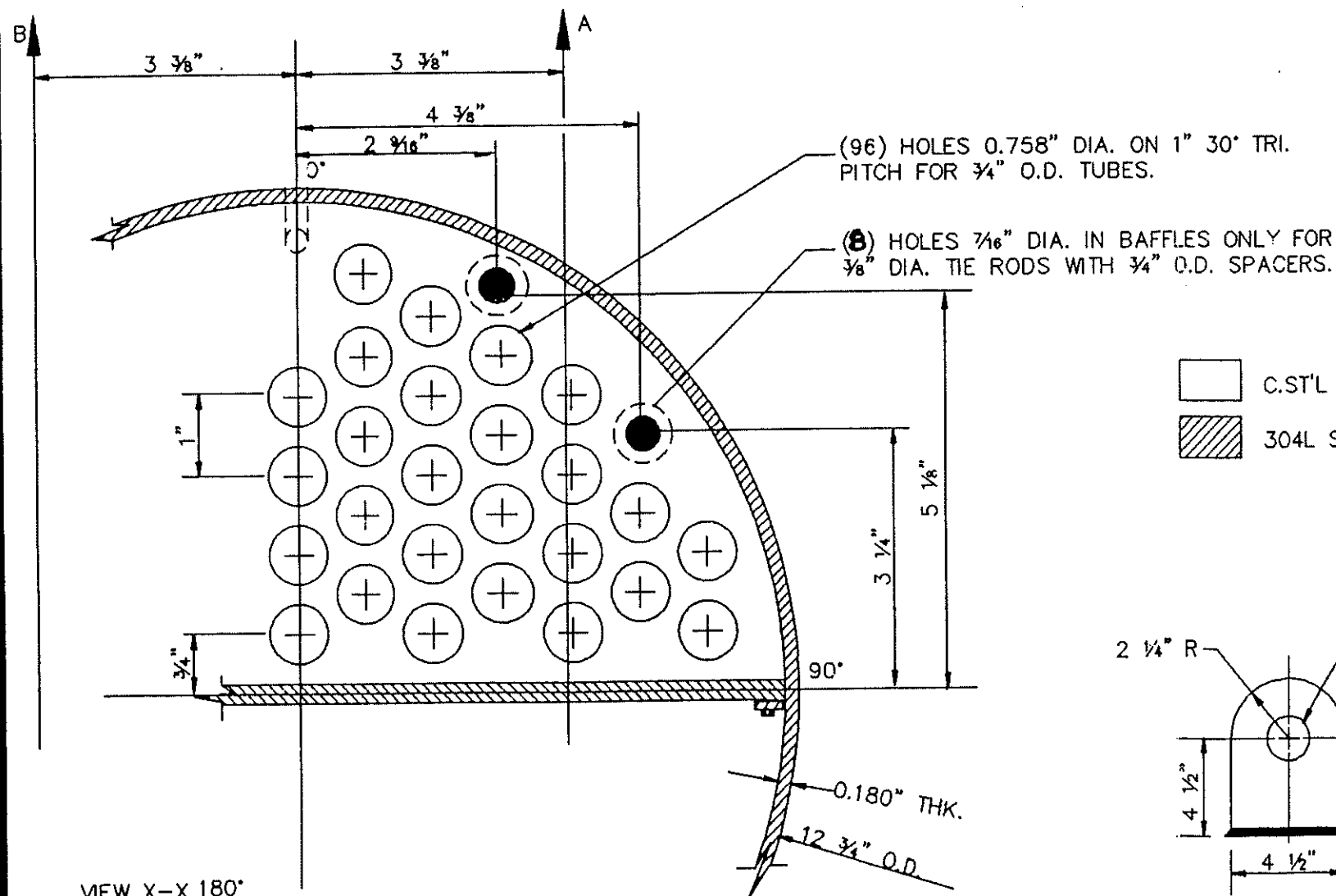
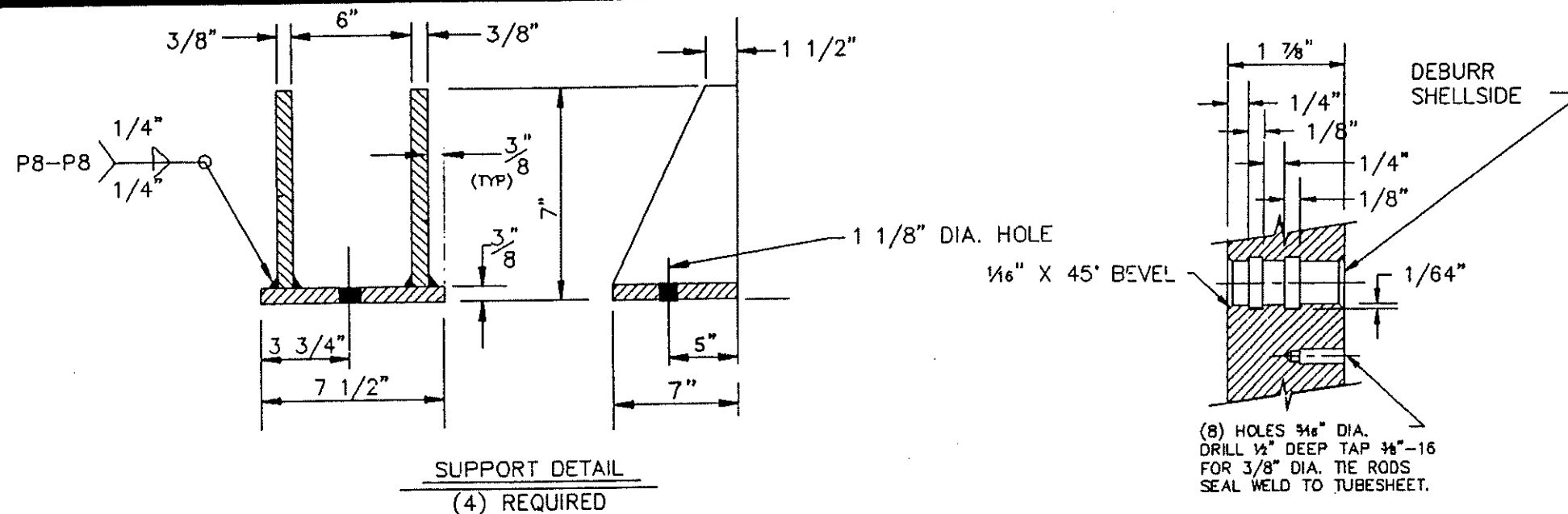
298457



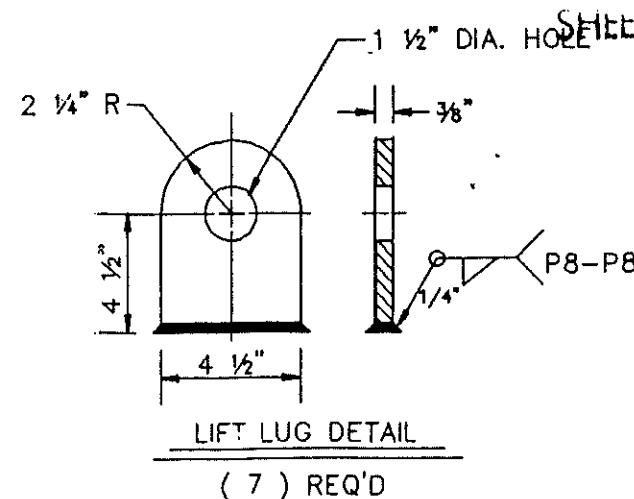
NON--PRESSURE PARTS

REFERENCE PARTS	
SUPPORTS	SA-240 TP 304
BAFFLES / SUPPORTS	SA-240 TP 304
TIE RODS / SPACERS	SA-479 TP 304/SA-249 TP 304
PASS PARTITIONS	SA-240 TP 304
LIFT LUGS	SA-240 TP 304
LONG BAFFLE	SA-240 TP 304

CERTIFIED	ENG.		
CUSTOMER E.I.DUPONT DE NEMOURS & COMPANY, INC.			
CUSTOMER P.O. NO. LPBC-96110W			
ITEM NO.		PROJ. NO. 6432	
PLANT BEAUMONT, TEXAS			
EN NO. 5111-7062-15-1&2			
TEMA SIZE AND TYPE			
(2) 12-192 BFM ACETONE INTERCHANGER			
SOUTHERN HEAT EXCHANGER CORP.			
P.O. BOX 030008 TUSCALOOSA, AL. 35403			
DATE 03/06/89	ORDER NO.	DWG. NO. SP-2090- 3	
BY B. HUFF	89-028 A/B	SHEET 2 OF 6	



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



U W-L RT4	NATIONAL BOARD NO. LATER	
	CERTIFIED BY	
	SOUTHERN HEAT EXCHANGER CORP. TUSCALOOSA, ALABAMA	
SHELL SIDE		
MADP	150	PSI AT 300 F.
MADT	-13	F. AT 150 PSI
TUBE SIDE		
MADP	150	PSI AT 300 F.
MADT	-13	F. AT 150 PSI
SHECO SER. NO. 89-028 A/B		YEAR 1989
CUST. ORDER LPBC-96110W		
CUST. ITEM		
EN NO. 5111-7062-15 A/B DUPONT INSP. INT'L		
BEAUMONT, TX		PROJ. NO. 6432

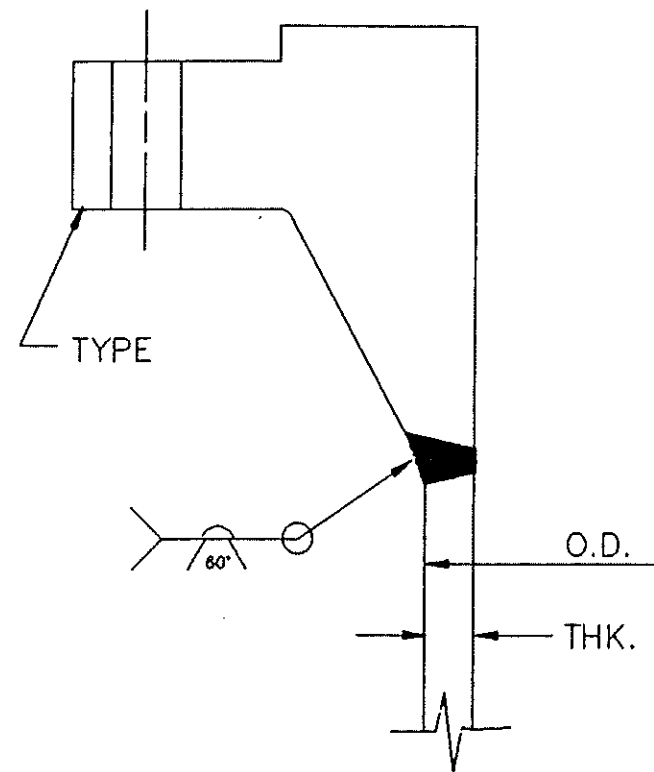
CAUTION

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.

OFFICIAL COPY

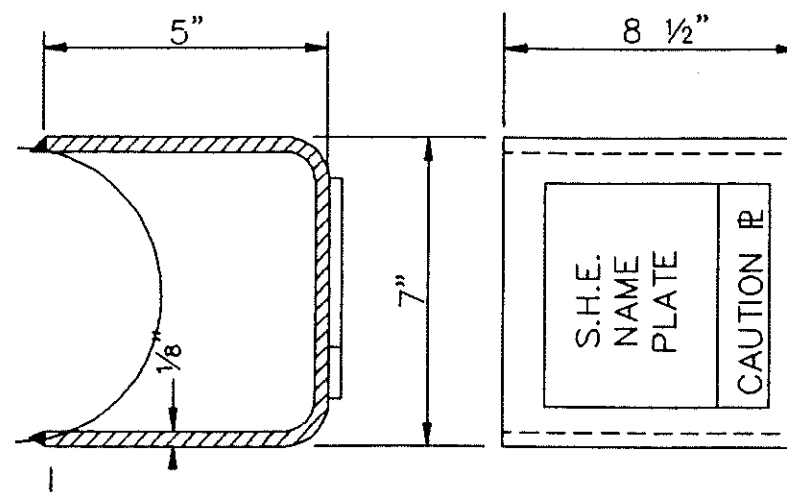
MAY 09 1990 DO NOT REMOVE
FROM MMA FILE ROOM
298457
3 THEORETICAL COURSE LENGTH

CERTIFIED	ENG.	
CUSTOMER E.I. DUPONT DE NEMOURS & COMPANY, INC.		
CUSTOMER P.O. NO. LPBC-96110W		
ITEM NO.	PROJ. NO. 6432	
PLANT BEAUMONT, TEXAS		
EN NO. 5111-7062-15-1&2		
TEMA SIZE AND TYPE (2) 12-192 BFM ACETONE INTERCHANGER		
SOUTHERN HEAT EXCHANGER CORP.		
P.O. BOX 030008 TUSCALOOSA, AL. 35403		
DATE 03/06/89	ORDER NO.	DWG. NO. SP-2090-3
BY B. HUFF	89-028 A/B	SHEET 3 OF 6



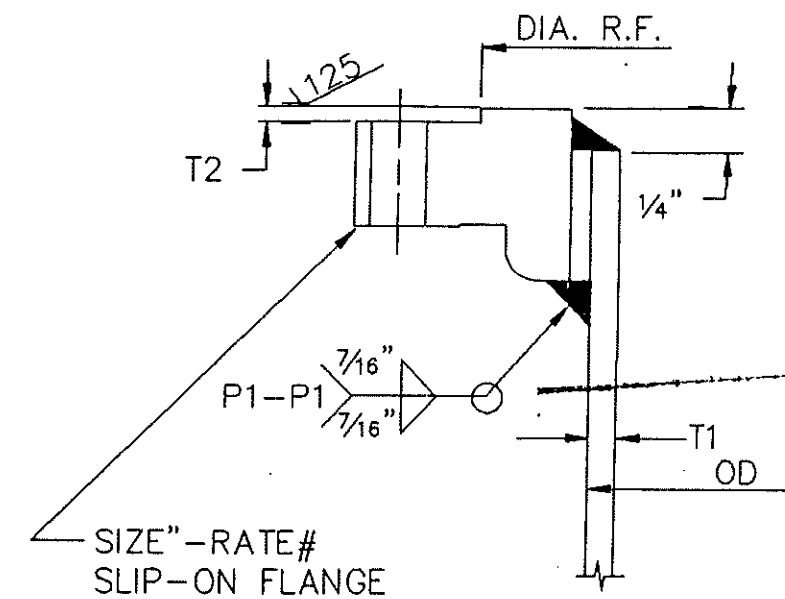
RFWN NOZZLE DETAIL

S.H.E. MARK	TYPE	O.D.	THK.	MAT'L
Z1, U1	3"- 150#	3 1/2"	0.216"	S.ST'L
D1, V1, V2	1"-150#	1.315"	.133"	S.ST'L



NAME PLATE BRACKET DETAIL

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



RFSO DETAIL

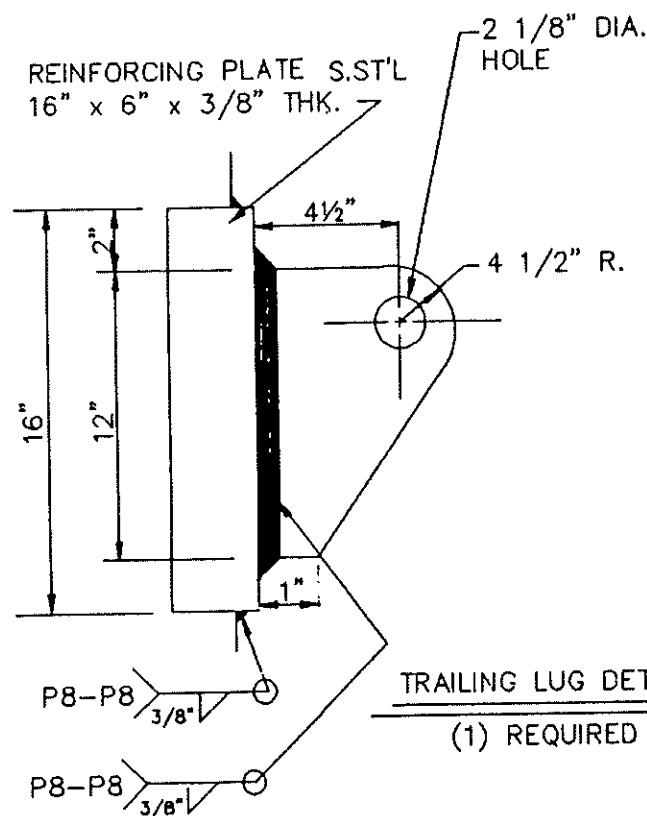
NOZZLE	SIZE	RATE	O.D.	DIA. R.F.	THK.	MAT'L
Z2,U2	3"	150#	3 1/2"	5"	0.216"	S.ST'L
V3,D2	2"	150#	2 3/8"	3 5/8"	0.154"	S.ST'L

Myra 5/7/90

☐ C.ST'L
☒ 304L S.ST'L

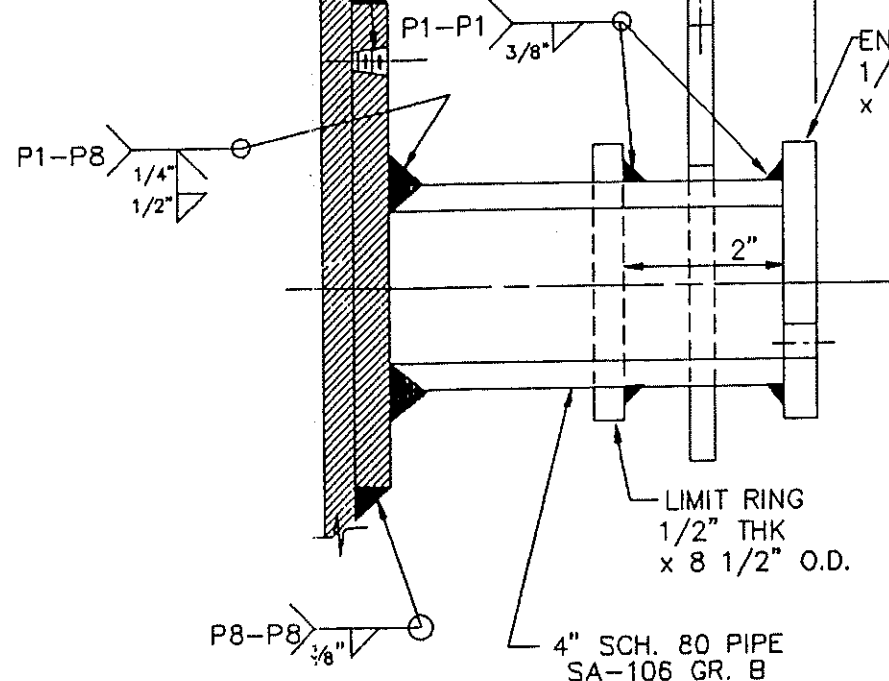
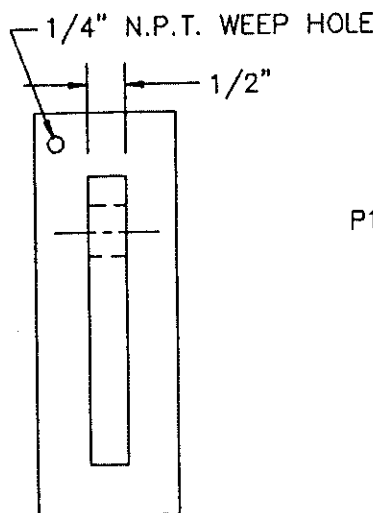
CERTIFIED	ENG.	
CUSTOMER E.I. DUPONT NEMOURS & COMPANY, INC.		
CUSTOMER P.O. NO. LPBC-96110W		
ITEM NO.	PROJ. NO. 6432	
PLANT BEAUMONT, TEXAS		
EN NO. 5111-7062-15-1&2		
TEMA SIZE AND TYPE		
(2) 12-192 BFM ACETONE INTERCHANGER		
SOUTHERN HEAT EXCHANGER CORP.		
P.O. BOX 030008 TUSCALOOSA, AL. 35403		
DATE 02/08/89	ORDER NO.	DWG. NO. SP-2090- 3
BY W. McLain	89-028 A/B	SHEET 5 OF 6

MAY 09 1990
 298457
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TRAILING LUG DETAIL
(1) REQUIRED

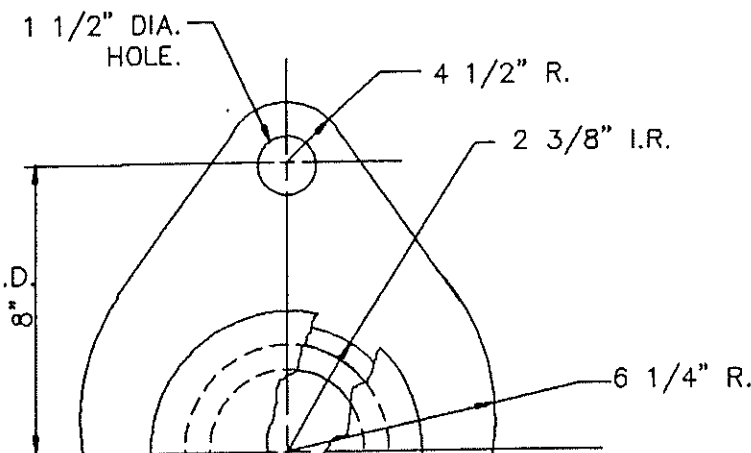
10" O.D. X 3/8" THK.
S.ST'L PAD WITH
(1) 1/4" N.P.T. WEEP HOLE.



END PLATE
1/2" THK
x 8 1/2" O.D.

LIMIT RING
1/2" THK
x 8 1/2" O.D.

TRUNNION DETAIL
(2) REQUIRED

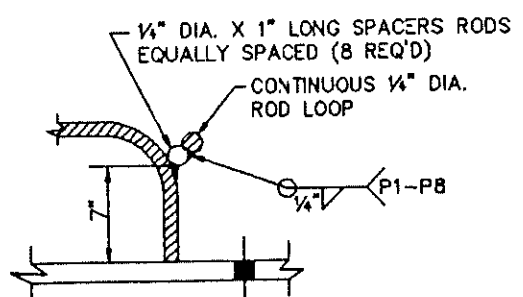


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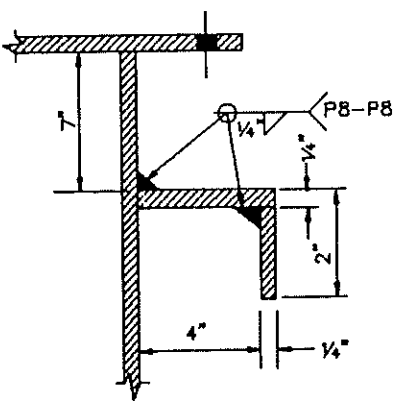
MAY 09 1990

C.ST'L
304L S.ST'L

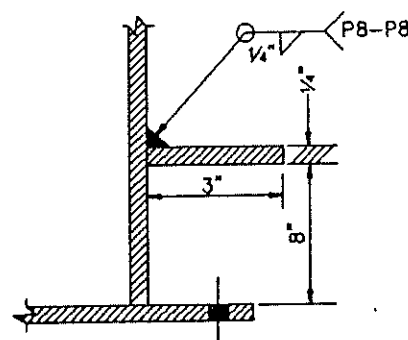
298457
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INSULATION SUPPORT
TYPE A



INSULATION SUPPORT
TYPE B



INSULATION SUPPORT
TYPE C

Myra 5/7/90

SHEET 11

CERTIFIED	ENG.	
CUSTOMER E.I. DUPONT DENEMOURS & CO., INC.		
CUSTOMER P.O. NO. LPBC-96110W		
ITEM NO. EN NO. 5111-7062-15-1&2		PROJ. NO. 6432
PLANT BEAUMONT, TEXAS		
TEMA SIZE AND TYPE		
(2) 12-192 BFM ACETONE INTERCHANGER		
SOUTHERN HEAT EXCHANGER CORP.		
P.O. BOX 030008 TUSCALOOSA, AL. 35403		
DATE 11-13-89	ORDER NO.	DWG. NO. SP-2090- 3
BY N.B.Y.	89-028	SHEET 6 OF 6