8 9.	077 R							SSURE VE	1	ITEM NO.
م احدے	-02 B		·* _r			~	v		5	111-7053-18-
1. Ma	anufactured and	d certified by	Southern	HEAT E	XCHANGE	CORP	400 65 th	ST. E. TUSCA	OSA, AL.	
2. Ma	anufactured for	E.1. d.	iPort der	lemour!	8 & Co.,	Inc. Chi	Lmmqton	De.		
3. Lo	cation of Instal	lation <u>E.</u>	1. duPort	defle	mours & (Co. Inc.	BEAU MON	Á, Tz.		
4. Ty	pe: HT. Exc	t., tank)	89~027 E	5.)	(CRN)	SF	2089-4 (drawing no.)	513 (Nat'i, Bo	9 d. ho.)	(year built)
								fications of the a		ER AND PRESSURI
	۸ ۵ ¬		_				j	6		(year)
_	A87 (addenda (D	a(e))	(Code	Case no.)				M. BOTH SIM		Morris
ems	6-11 inclusive t	o be comple	eted for single	e wall ves	sels, jacket	s of jackete		shells of heat e.		
6. St	nell: SA -312- (mat'i. (spe	304L nograde)) Butti		o ickness (in.))	······································	(corr. allow. (in	.))	1-3.50 (dia. ID (ft. & in.))	(leng	15-11-815 4 oth (overall) (ft. & in.))
7. Se	eams: No Fi	lley)	Full	(∞/	(HT temp.	_	SNGL. Bo	ന പ	uf	2.
	(long. (dbl		(RT (spot or full))	(ell. (%	(HT temp	(*F)) (time)	SNGL-Par (girth (dbl.,	, sngl.)) (RT(spot.	([partlai, or full))	(no. of courses)
	, ,		(mal'i. (spec. r	io., grade))		, , ,		(mat'l. (spe	с. ло., grade))	
	Location (top. bottom, ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Ellipticat Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) (b)		1.1875		(2)26	40.D. Fu	PACED &	Thes Hea	D S		FLAT
0. Ja	pe of jacket: cket closure: AWP:]\(\frac{PV}{(psi)}\)	(describe as og	ee & weld, bar, el	if t	oar, give din	nensions: p.: 32_ (*F)	at 75/FV (psi)	. Hydro., рвев -		describe or sketch
	12 and 13 to be besheets: 5A-			22. [2			5 kness (in.))	(corr. allow. (in		EVDED schmant (welded, bolted
	·			(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(1.0, 1	miozo (m.g	toon. anon. the	(atte	actions (welced, bolled
	(floa	ting mat'l. (spec	. no., gr.))	(dia. (ir	1.))	(nom. thic	kness (in.))	(corr. allow. (in	1.))	(attachment)
3. Tu	bes: <u>5A-213</u>	-3044		lu		ما		8&		TRAIGHT
		_		OD (in.)) r chambei		n. thickness (int. ed vessels (· · ·	(no.) f heat exchange		type (straight or U))
	ell: <u>\$∆ ~24</u> o	-304L		nickness (in.)		(corr. allow. (i		1-3-50"		3-0"
5. Se	ams: SNGL	рес. по., gr.))	Full	lo	% —			(dia. ID (II. & in.)) LUT FU! ., sngl.)) (RT (spot	,	ngth (overall) (ft. & in.))
	اوره) ۱.8 ۷ ads: (a)	ibl., sngl.)) 25	-70 LINE -3041	5 W/	(%)) (HT tem		e) (girth (dbl) SA-240 •	-304L) (no. of courses)
	-	1	(mat'l, (spec. r	o., grade))		· · · · · · · · · · · · · · · · · · ·		(mat'l. (spe	c. 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)	1=	LOSE V	0			2'. (<u> </u>		22.128	FLAT
(b)		• <u> • 875 </u>	ribo other foe	lonina-':	CA 182		(20)EA.	<u>ا</u> ۱۳-۵۰		I CONCOVE
II I	emovable, bott	o asea (aesc	nne other tas	ienings):	-2N 1 (5			spec. no., gr., size, no).)	
7. M	AWP: 75/FV	_at max. tem	p. <u>302</u> .	Min desigi	n metal tem	p.: 32 (*F)	at 75/FV (psi)	. Hydro., præu. o	rcemb test	pressure 115

18. Nozzles, inspection and safety valve op പറിയുട

. Purpose (inlet,				I	Nom,	Reinforcement	How.	
outlet, drain, etc.)	Number	Dia. or Size	Туре	Mat'l.	Thickness	Material	Attached	Location
N- DRAIN	1-1	44-150#	RFWN	54-312-304	. · 337"	INHERENT	WELDED	SHEW
)UT	1	34. "	U	v	. 2160	u	U .	Ų
ENT	(2"- "	7	t,	. 154.	•	Ų.	ď
ENT - DRAIN	-	\"- u	Ų	u	1(35)	4 .	V	ď
IN-OUT	(~1	3 u_ u	8	ų	. 2160	u	U	CHANNE
VENT-DRAIN.	4-3	[#_ #	ц	ū	- (33 "	de la	U .	Ü
-					<u></u>		<u> </u>	
	<u> </u>			ļ				
							ļ	

		<u> </u>	<u> </u>		
11-			S.t		
19. Supports: Skirt Lo Lugs 4 Legs (no.) (no.)	Other	(describe)	Attached_ OHE L	CUEDOS	•
				•	•
20. Remarks: Manufacturers' Partial Data Reports properly	identified and sign	ned by Commiss	sioned Inspectors	have been furn	ished for the
following Items of the report:	(name of part, item	number, mfr's. name	and identifying stamp)		***
"U4-46 (B)"					
			· · · ·		
	The state of the s			· · ·	
	<u> </u>	•			,
CERTIFIC	ATE OF SHOP CO	MPLIANCE			
We certify that the statements made in this report are corre	ct and that all det	ails of design, n	naterial, construct	ion and workma	inship of this
vessel conform to the ASME Code for Pressure Vessels, S	ection VIII, Divisio	on 1.	Λ	1	^ /
"U" Certificate of Authorization no. 7037 expires Date 03-19-90 Name SOUTHERN HEAT EX	<u>teb.28</u>	19 <u>9)</u> ,	. /\	10d	/ / _ [
Date 03-19-90 Name SOUTHERN HEAT EX	CHANGER (JOBS -	Signed	anul H. A	Oldu (
	(mandracturer)			(reptesentati	ve)
	CATE OF SHOP IN				٨٠
Vessel constructed by Southeral HEAT EXCHAN	JUEK CORTS	4	at 10°	scaloosa,	<u>/₹</u> C·
I, the undersigned, holding a valid commission issued by Th	e National Board o	of Boiler and Pre	ssure Vessei Insp	pectors and the	state or prov-
ince of and employed by Comme					
Report on 03 - 26 , 1990 , and state that,	te the best of my	ted the pressur	e vessel describe	o in this Manufa	cturers' Data
pressure vessel in accordance with ASME Code, Section V	Itt Division 1	knowledge and	bener, the manur	acturer has con	structed this
By signing this certificate neither the inspector nor his emp	· ·	Jarranty evores	sed or implied co	nearning the pre	secura vaceal
described in the Manufacturers' Data Report. Furthermore,					
sonal injury or property damage or a loss of any kind arisi.	na from or connec	cted with this in	spection		
Date 03-26-90 Signed BM Burcooks		Commissions_	NB 5446 A	Ly 2182	
Date 03-26-90 Signed 18M Burcos for (Authorized Inspect	on BmBroc	KS	(Nat'l, Bd. (incl. end	lorsements) state, pr	ov. and no.)
	F FIELD ASSEME			•	
We certify that the field assembly construction of all parts	of this vessel con	forms with the	requirements of S	Section VIII, Divi	ision 1 of the
ASME BOILER AND PRESSURE VESSEL CODE.					
"U" Certificate of Authorization no. expires	·	19	•		
DateName	ed and constructed field		Signed	(representati	ivot
				(representati	161
	OF FIELD ASSEM				
I, the undersigned, holding a valid commission issued by th				ectors and the	state or prov-
ince ofand employed by of					
Report with the described pressure vessel and state that par certificate of shop inspection, have been inspected by me					
structed and assembled this pressure vessel in accordance					
and subjected to a hydrostatic test ofpsi.	, with Admic Code	, occuon vin, D	ivision i. The des	OCHUCU YESSEI W	as moperted
By signing this certificate neither the inspector nor his emp	lover makes anv w	arranty, express	sed or implied co	ncerning the ore	aggiire vegeel
described in the Manufacturers' Data Report. Furthermore.					
sonal injury or property damage or a loss of any kind arisi					

(Authorized Inspector)

Commissions

(Nat'l. Bd. (incl. endorsements) state, prov. and no.