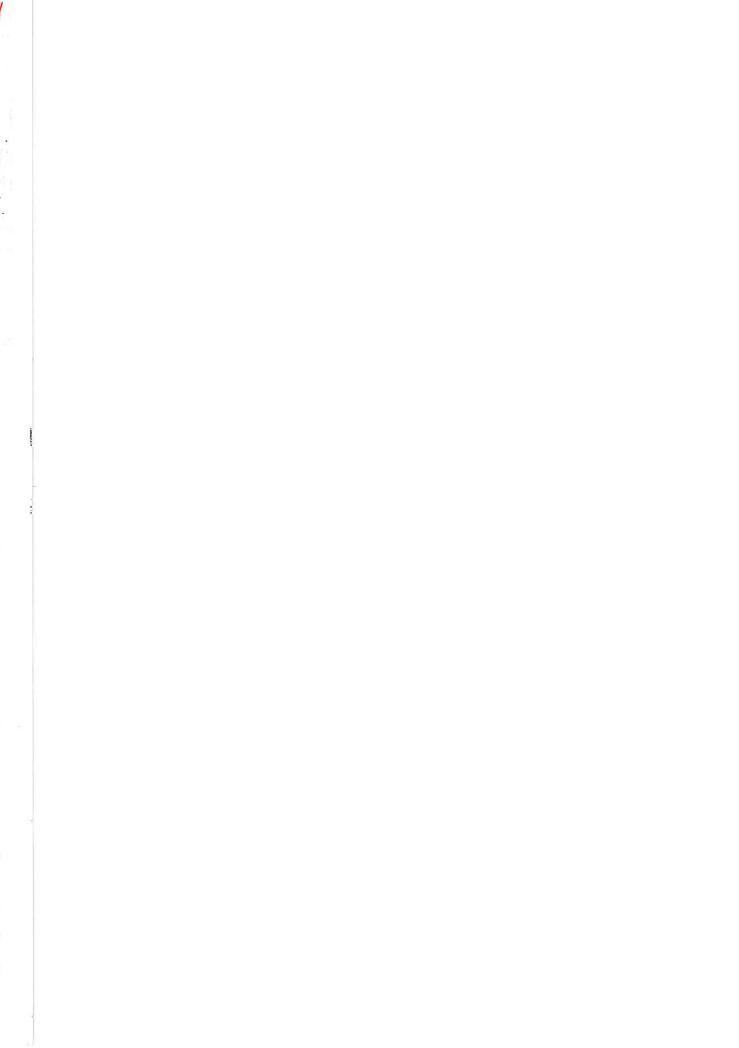
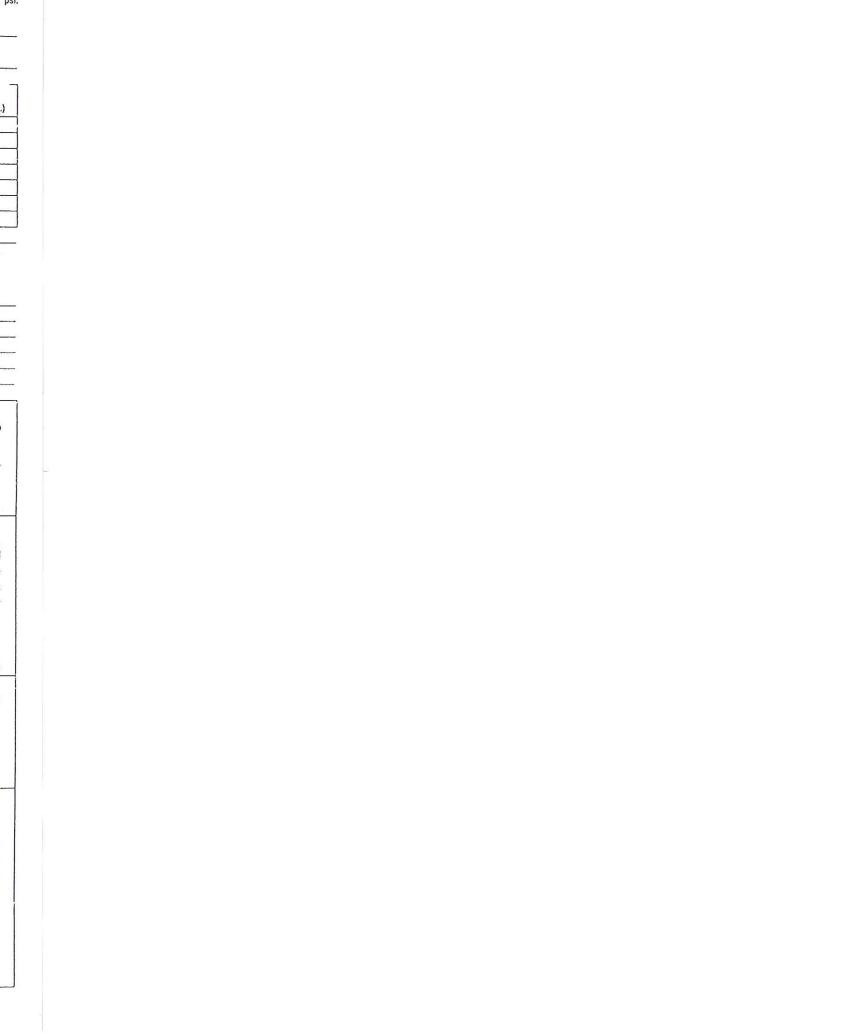
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(Indicate yes or no and the component(s) impact tested)  18. Hydro. Proof test													
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Outet,	Drain, etc.)	No.	or Size	Туре	Nozzle	Flange	Nom.	Corr.	Material		Nozzle	Flange	(Insp. Open.)
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						RTIFICATE O	leas I	100					2
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,  U Certificate of Authorization No. 7037 Expires 11/29, 19 96  Date 6-25-94 Name Southern Heat Exchanger Corporation Signed 1 Amel 10 Amel 11 Amel 12 Amel 13 Amel 14 Amel 14 Amel 15 Amel 16 Amel 17 Amel 18 A													
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Date	ndersigned, I	nolding a	valid comn	nission issu	(M CEI led by The	anufacturer) RTIFICATE C National Boar	F SHOP IN	oration SPECTION	Signed /	Jan	(Repre	te or Provinc	and NY
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NATIONAL BOARD NO. (1976) CERTIFIED BY						
W	SOU	Sipposium August				
RES	EXCH		JEN Sa, alab		ORP.	
S JJ SKELL S		JOUALUU	OH, MLADI	AINA		
MAWP	150. / EV	PSI AT	400		° <b>F.</b>	
MDMT	20-5	°F. AT	150%		PSI	
Tube Si	DE				•	
MAWP	150	PSI AT	400		° <b>F.</b>	the season
MDMT	20	°F. AT	150		PSI	
SHECO SER. NO.	94 - 012			AET	AR 1994	
CUST. ONDER	21697					
Cust. Item	H 12M S	4.				
						6 特条

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DO NOT REMOVE FROM
ENGR. DEPT.

VPF No. : 38057WN
Equipment No. : E-1211-4
Project No. : 27-0188
P.O. No. : 32532
Approved by : P. Johnson
Sheet No. : 2
Account No. : 4009

: 4/5/95

## FILE COPY

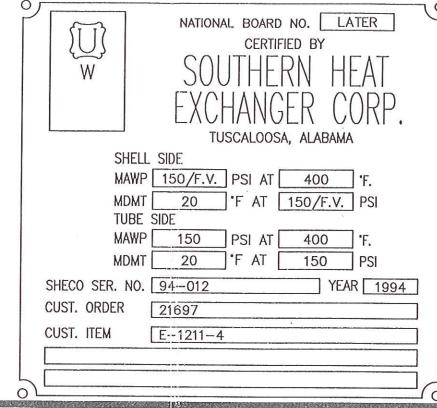
### DO NOT REMOVE FROM

#### ENGR DEPT.

#### 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.

		NOTES					
1. EST. WT. EMPTY: 303# FULL: 365# BDL: —							
2. ALL BOLT HOLES STRADDLE NORMAL CENTERLINES.							
3. PLYWOOD COVERS ON ALL OPEN NOZZLES WITH FULL FACE RED RUBBER GASKETS BOLTED IN PLACE WITH							
A FULL COMPLIMENT O	F BLACK IRON	BOLTS.					
4. 125 MAIN GASKET SI	JRFACES.						
5. PAINT: SANDBLAST O.S	PER SP-6. C	ST'L ONLY: APPLY	(1) PRIME (	COAT OF CARBOLINE CARBOZING 11HS			
3-5 MILS D.F.T. APPLY	(1) INTERMEDIA	ATE COAT OF CARBON	JNE 890, 4	-7 MILS D.F.T. APPLY (1) FINISH COAT			
OF CARBOLINE 134HS,	2-3 MILS D.F.	T. TOTAL D.F.T. OF 9	TO 15 MIL	S. PER SPEC. 11CS-696. S.ST'L ONLY			
APPLY (1) PRIME COAT	OF GLIDDEN G	SLID GUARD SILICONE	HI-TEMP	5548. APPLY A SECOND COAT OF THE			
SAME FOR TOTAL MINI	MUM OF 1.5 MI	LS D.F.T. PER SPEC.	11CS-674				
6. SPOT RADIOGRAPHY W	AS SPECIFIED;	HOWEVER, THERE IS	NOT A PLA	ACE TO TAKE A SPOT.			
7. MATERIAL OF FOREIGN	ORIGIN SHALL	BE IDENTIFIED TO BE	JYER BEFOR	RE USE AND AGREED TO BY BUYER.			
8. COAT ALL EXPOSED GASKET SURFACES WITH RUST VETO HEAVY.							
9. PAINT P.O. NUMBER AND EQUIPMENT NUMBER ON THE SHELL IN 3" HIGH LETTERS WITH HIGHLY MSIBLE PAINT.							
10. SPARE GASKETS TO BE BOXED AND LABELED WITH PURCHASE ORDER NUMBER & EQUIPMENT NUMBER IN 3"							
HIGH LETTERS.							
11. INSIDE OF UNIT SHALL	BE CLEAN, DR	Y AND FREE OF FOR	REIGN MATE	RIAL AND LOOSE SCALE.			
12. MARKING INKS, CRAYO	NS, OR PAINTS	THAT CONTAIN CHL	ORINE, CAR	BON, OR HARMFUL METALS OR METAL			
SALTS SUCH AS ZINC, I	EAD, OR COPPE	ER WHICH MAY CAUS	E CORROSIV	E ATTACK WHEN THE PART IS HEATED			
SHALL NOT BE USED.	WAX CRAYON C	R VEGETABLE DYE	ARKERS A	RE ACCEPTABLE.			
13. TUBES ARE TO BE COL	D DRAWN WITH	15% MINIMUM WALL	REDUCTION	l.			
14. ALL 317L MATERIAL MU			-	ERTIES OF SA-240 317L.			
		I-PRESSURE	PARTS				
SUPPORTS	SA-36						
BAFFLES / SUPPORTS	316L S.S						
TIE RODS / SPACERS	316L S.S	T'L					
GUSSETS	SA-240	316L					
IMPINGEMENT PLATE	SA-240	316L					
PASS PARTITION	SA-240						
NAME PLATE BRACKET	SA-240	316L					



			M ISMA	ANSI NOZZLE SCHEDULE								
	SIZE	RATE	FACE	NOZZLE NECK	SERVICE SERVICE							
				TUBE SIDE	SERVICE							
D	2"	150#	RFWN	SCH. 160	COOLING WATER SUPPLY							
E	2"	150#	RFWN	SCH. 160	COOLING WATER RETURN							
G1	3/4"	6000#	THD.	VOGT. CPLT. PLUGGED	VENT							
		6000#	THO.	VOGT. CPLT. PLUGGED	DRAIN							
					13th 1st							
				SHELL SIDE	1025							
₿ A	2"	150#	L.J.	SCH. 80	JET EFFLUENT							
B	1"	150#	RFWN	SCH. 160	VENT							
С	1"	150#	RFWN	SCH. 160	JET CONDENSATE							
★ G2	3/4"	150#	RFWN	SCH. 160	VENT							
★ H2	1"	150#	RFWN	SCH. 160	DRAIN							

	*	PROV	IDE	WITH	BL	IND,	BOL	TING	, AND	FLE>	KITALIC	STY	LE CC	316
-											FILLER.			
	H	<b>FURN</b>	ISH	WITH	Α	4" 5	SCH.	40	WELD-	CAP	EXTEN	DED	MTH	4"
Methods		SCH.	40	PIPE.			Æ							
The Street														
-												200		
W. Control														

wps P1-P1 wps P1-P8

wps P8-P8

W-42(SMAW) W-72(FCAW) W-89(SAW)

W-2(SMAW) W-112(FCAW) W-100(SAW)

W-3(SMAW) W-81(FCAW) W-90(SAW) W-97(GTAW) BY T.E.M.

ASME CODE	REQUIREMENTS	
i i	SHELL SIDE	TUBE SIDE
DESIGN PRESSURE PSIG	150/F.V.	150
DESIGN TEMPERATURE (MAX/MIN) 'F	400/20	400/20
HYDRO. TEST PRESSURE (2 HOURS) PSIG	225	225
CORROSION ALLOWANCE (EXCEPT)	1/8"	1/16"
POSTWELD HEAT TREATMENT	NONE	NONE
RADIOGRAPHIC EXAMINATION	NONE (6)	NONE(6)
METAL TEMP. (TEMA 7th ED.) 'F	280/70/200	280/85/105
ASME CODE STAMP / NAT'L BD. REG IS	REQUIRED.	
CUSTOMER INSPECTION IS REQUIRED		

	SPECIFICATIONS: 1992	ASME CODE SECT. VIII DIV	. 1 ADDENDA-A92
	SPECIAL SERVICE: NONE	E CODE CASE: NONE	PARTIAL DATA REPORTS: NONE
-	TEMA (B) UG-20(f)		
	TUBES: SA-249 3	317L (13) (14)	WALL: AVG.
	NO. 16 0.D.	3/4" BWG. 14	LENGTH: 4'-0"

TUBESHEETS: SA--240 316L

DATE 02/09/94

PART	SHELL SIDE	TUBE SIDE				
VESSEL	SA-312 316L	SA-106 GR. B				
COVERS		SA-105				
FORMED HEADS	SA-403 WP 316L					
BODY FLANGES		SA-105				
NOZZLE FLANGES	SA-105/SA-182 F 316L	SA-105				
NOZZLE PIPE	SA-312 316L	SA-106 GR. B				
STUDS/NUTS	SA-193-B7/SA-194-2H	SA-193-B7/SA-194-2H				
GASKETS	FLEXITALLIC CGI WITH TFE FILLER	KLINGER C4401 SEE SHEET 5 FOR DETAIL				
INSULATION (OTHERS)	1 ½"	NONE				
	and the same of th					

REVISIONS

CUSTOMER P.O. NO. 21697		
пем NO. E-1211-4	PROJ. NO.	6K-1512
PLANT WILMINGTON NO		

TEMA SIZE AND TYPE
(1) 6-48 NEN DEHYDRATOR JET CONDENSER

SOUTHERN HEAT EXCHANGER CORP.

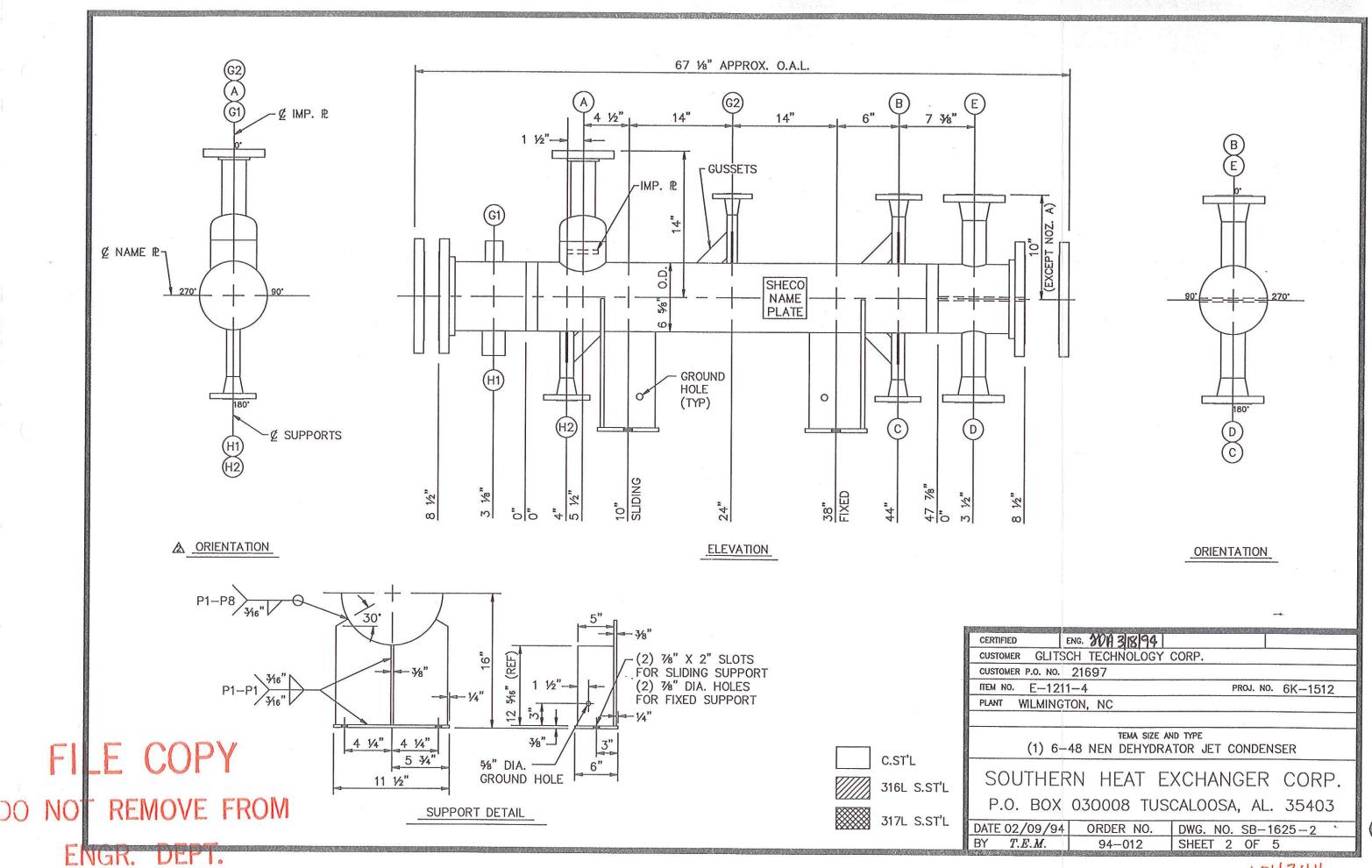
P.O. BOX 030008 TUSCALOOSA, AL. 35403

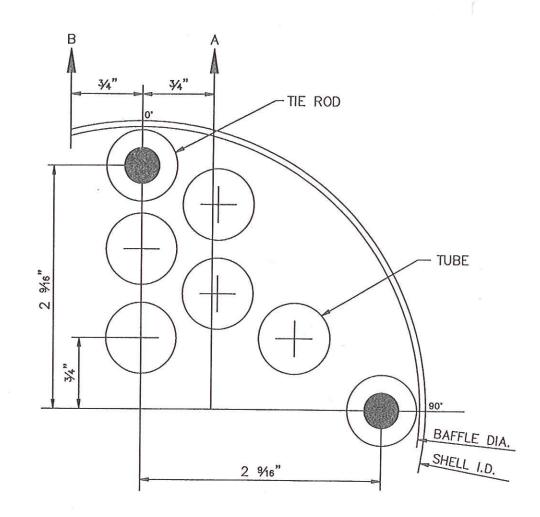
ORDER NO.

94-012

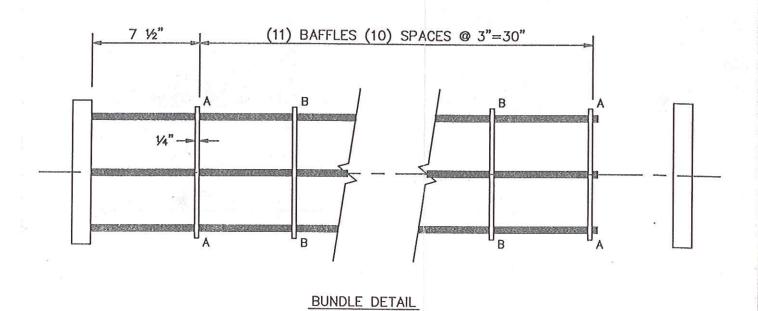
DWG. NO. SB-1625-2

SHEET 1 OF 5



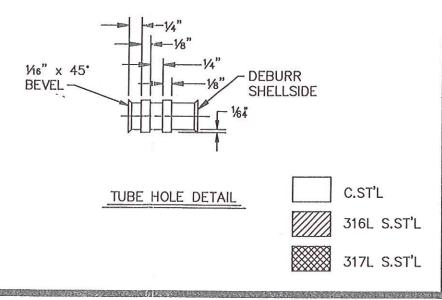


TUBE O.D.	3/4"				
NO. OF TUBES	16				
SIZE OF TUBE HOLE IN TUBESHEET	0.760"				
SIZE OF TUBE HOLE IN BAFFLE	25/32"				
PITCH	15/16" 30° TRI.				
TIE ROD O.D.	3∕8"				
NO. OF TIE RODS	4				
TIE ROD HOLE SIZE IN TUBESHEET	7/16" x 1/2" DP. (SEAL WELD)				
TIE ROD HOLE SIZE IN BAFFLE	7/16"				
SPACER O.D.	3/4"				
DUMMY TUBE O.D.	-				
NO. OF DUMMY TUBES	_				
DUMMY TUBE HOLE SIZE IN BAFFLES	_				
O.T.L.	5.4338"				
BAFFLE DIA.	5.9400"				
BAFFLE CUT ALTERNATES	(6) A-A, (5) B-B				



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CERTIFIED	ENG. 2014 318194		
CUSTOMER GLITSCH TECHNOLOGY CORP.			
CUSTOMER P.O. NO. 21697			
ΠΕΜ NO. E−121	1-4	PROJ. NO.	6K-1512
PLANT WILMINGTON, NC			
TEMA SIZE AND TYPE			
(1) 6-48 NEN DEHYDRATOR JET CONDENSER			
SOUTHER	RN HEAT E	XCHANGER	CORP.
P.O. BOX 030008 TUSCALOOSA, AL. 35403			
DATE 02/09/94	ORDER NO.	DWG. NO. SB-16	625-2
BY T.E.M.	94-012	SHEET 4 OF 5	5