

Potter & Brumfield A Siemens Company

July 13, 1990

United States Nuclear Regulatory Commission
One Whiteflint
11155 Rockville Pike
Rockville, Maryland 20852

Attention: Mr. K. R. Naidu

Dear Mr. Naidu,

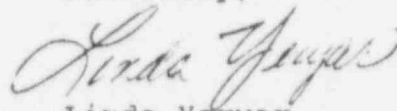
Mr. Mike Scully has asked me to forward these reports you requested during your visit to Potter & Brumfield.

These reports are from the M&P Lab and various electrical requirements.

The photographs that were taken will be mailed under separate cover.

Mr. Scully will return to his office on July 23. If you have any questions, please feel free to call.

Sincerely,



Linda Yeryar
Secretary to Mike Scully

xc: H. Andrews
B. Lamb
D. Market
D. Patton

MDR-138-8

VISUAL INSPECTION

RELAY

	1	2	3	4	5	6	7	8	9	10	11	12
Incorrect nameplate.....	X	X	X	X	X	X	X	X	X	X	X	X
Incorrect color coil leads.....		X			X	X			X			
Incorrect color Glyptal seal.....	X	X	X	X	X	X	X	X	X	X	X	X
Orange rotor shaft.....	X	X	X	X	X	X	X	X	X	X	X	X
No adjusting stamps.....	X	X	X	X	X	X	X	X	X	X	X	X
No dielectric stamp.....	X	X	X	X	X	X	X	X	X	X	X	X
No inspection stamp.....	X	X	X	X	X	X	X	X	X	X	X	X
Top nuts out of torque.....			X		X	X		X	X	X	X	
Old style nuts.....	X	X						X	X			
Rotor slot not painted black.....			X	X	X	X	X	X		X		X
Motor nuts out of torque.....	X	X	X		X	X	X		X	X	X	X
Deck numbers not uniform.....	X	X		X		X	X		X	X		
Incorrect clearance between shaft and cover....	X	X	X	X	X	X	X	X	X	X	X	X
Incorrect end play.....	X	X	X				X	X	X		X	X
Bad solder connection and flux on coil terminal	X	X	X	X	X	X	X	X	X	X	X	X
Eyelets in place of rivets on terminal board...	X						X					
Switch cap chipped.....	X		X	X		X						
No lubricant on bearings.....	X	X	X	X	X	X	X	X	X	X	X	X
Paint on coil terminal grommets.....		X				X	X			X	X	X
No Glyptal on cap nuts.....	X											
Glyptal under cap nuts.....	X	X										
Terminal base overheated.....		X					X					
Wafer not uniform.....	X	X	X									

NOTE:

1. Inspected to requirements of 6/21/90.
2. Orange paint deleted - 1972.
3. Changed from locating holes to indicator lines on switch cap - 1963
4. Changed from cap nuts on motor bolts to hex nut - 1977.
5. Changed from eyelet to rivets on coil terminal board - 1967

MDR-173-1

VISUAL INSPECTION

RELAY #

	1	2	3	4	5	6
Incorrect nameplate.....	X	X	X	X	X	X
Incorrect color coil leads.....	X	X	X	X		
Incorrect color Glyptal seal.....	X	X		X	X	X
Glyptal seal broken.....		X		X		
Orange rotor shaft.....	X	X	X	X	X	X
No adjusting stamps.....	X	X		X	X	X
No dielectric stamp.....	X	X		X	X	X
No inspection stamp.....	X	X	X	X	X	X
Top nuts out of torque.....	X	X	X	X		X
Old style nuts.....	X					X
Rotor slot not painted black.....	X	X			X	X
Motor nuts out of torque.....		X		X		
Deck numbers not uniform.....	X	X	X	X	X	X
Incorrect clearance between shaft and cover.....	X	X	X		X	
Coil terminals have bad appearance.....	X	X	X	X	X	X
Incorrect end play.....	X	X	X	X		X
Bad solder connection and flux on coil terminals.....	X	X	X	X	X	X
Eyelets in place of rivets on terminal board.....			X			
Bent terminal.....		X				
Switch cap chipped.....		X				
Switch wafer chipped.....			X			X
Incorrect studs.....	X	X	X			X
No lubricant on bearings.....	X	X	X	X	X	X
Glyptal on switch cap.....	X		X			
Base not clean.....					X	X

NOTE:

1. Inspected to requirements of 6/21/90.
2. Orange paint deleted - 1972.
3. Changed from locating holes to indicator lines on switch cap - 1963
4. Changed from cap nuts on motor bolts to hex nut - 1977.
5. Changed from eyelet to rivets on coil terminal board - 1967

MDR-142-1

VISUAL INSPECTION

	RELAY #			
	1	2	3	4
Incorrect nameplate.....	X	X	X	X
Incorrect color coil leads.....	X	X	X	X
Incorrect color Glyptal seal.....	X	X	X	X
Orange rotor shaft.....	X	X	X	X
No adjusting stamps.....	X			
No dielectric stamp.....	X		X	
No inspection stamp.....	X		X	
Top nuts out of torque.....	X			
Rotor slot not painted black.....	X		X	
Motor nuts out of torque.....	X		X	X
Deck numbers not uniform.....	X			X
Incorrect clearance between shaft and cover.....	X		X	X
Coil terminals have bad appearance.....		X		
Incorrect end play.....				X
Bad solder connection and flux on coil terminals.....	X	X	X	
Flux around solder connection.....		X		X
Incorrect studs.....	X	X		X
No lubricant on bearings.....	X	X	X	X
Glyptal messy.....	X			
Paint has poor appearance.....		X	X	
Chipped grommet.....			X	
Bent base.....	.	.	X	

NOTE:

1. Inspected to requirements of 6/21/90.
2. Orange paint deleted - 1972.
3. Changed from locating holes to indicator lines on switch cap - 1963
4. Changed from cap nuts on motor bolts to hex nut - 1977.
5. Changed from eyelet to rivets on coil terminal board - 1967

MDR-138-8

file
2-90-04

ELECTRICAL REQUIREMENTS

Coil voltage	125V DC
Operate voltage	82V DC max.
Drop-out voltage	12.5V DC min.
Coil resistance	1520 ohms
Breakdown voltage	2775V RMS contacts to base, coil terminals to base.
	1250V RMS 60 Hz between open contacts.

RESULTS

RELAY NUMBER	OPERATE VOLTAGE	DROP-OUT VOLTAGE	COIL RESISTANCE OHMS	BREAKDOWN
1	85	24	Accepted	Accepted
	Contacts A & B not making contact on deck one.			
2	136	31	3440	Failed
	Contacts A & B not making contact on deck one.			
3	117.3	15.6	Accepted	Accepted
4	80.9	23.6	Accepted	Failed
5	67.9	24.8	Accepted	Accepted
6	105	27	3220	Accepted
	Contacts G & H not making contact on deck one.			
7	85	20	Accepted	Failed
	Contacts A & B not making contact on deck one.			
8	69.7	23	Accepted	Accepted
9	112.3	26.8	Accepted	Failed
10	99.3	21.8	Accepted	Accepted
11	88.9	18.6	Accepted	Accepted
12	83	28	Accepted	Accepted

Relay #2 disassembled by P&B on 6/21/90.

R. Market
6/29/90

B/50

P/B

MDR-173-1

ELECTRICAL REQUIREMENTS

Coil voltage	125V DC
Operate voltage	85V DC max.
Drop-out voltage	12V DC min.
Coil resistance	1025 ohms $\pm 10\%$
Breakdown voltage	2380V RMS 60 Hz contacts to base, coil terminals to base.
	1250V RMS 60 Hz between open contacts.

RESULTS

RELAY NUMBER	OPERATE VOLTAGE	DROP-OUT VOLTAGE	COIL RESISTANCE OHMS	BREAKDOWN
1	100.3	3.8	Accepted	Failed
2	134	2.5	Accepted	Failed
3	94.1	5	Accepted	Accepted
4	100.3	8	Accepted	Failed
5	106.5	8.6	Accepted	Accepted
6	116	2.2	Accepted	Failed

Relay #2 disassembled by P&B on 6/21/90.

R. Market
6/29/90

MDR-142-1

ELECTRICAL REQUIREMENTS

Coil voltage	125V DC
Operate voltage	85V DC max.
Drop-out voltage	12.5V DC min.
Coil resistance	1025 ohms $\pm 10\%$
Breakdown voltage	2380V RMS 60 Hz contacts to base, coil terminals to base. 1250V RMS 60 Hz between open contacts.

RESULTS

RELAY NUMBER	OPERATE VOLTAGE	DROP-OUT VOLTAGE	COIL RESISTANCE OHMS	BREAKDOWN
1	106	6.4	Accepted	Failed
2	106.5	Less than 2	Accepted	Failed
3	118 Contacts B & E not making contact on deck one.	3.9	Accepted	Failed
4	112	2.8	Accepted	Failed

Relay #1 disassembled by P&B on 6/21/90.

R. Market
6/29/90

100101

APC 7/2/90

ALL CUSTOMERS

SPECTRONICS, INC.			ALPHABETICAL CUSTOMER LIST			DATE- 7/2/90			REF# AC-05-07		
CUST #	NAME	CONTACT	ADDRESS 1	ADDRESS 2	CITY	ST	ZIP	PHONE #	PAGE #	SIMN	CUST TYPE
101	A & B ELECTRIC CO. OF MOBILE	LIZ	1643 VARNER DRIVE		MOBILE	AL	36609	566-1790	01	3	
405	A C & C SERVICES		2121 KNOLLWOOD DR.		MOBILE	AL	36609	666-4330	01		
102	A R C CONTROLS INC		4875 TUFTS ROAD		MOBILE	AL	36619	666-2165	01	3	
5075	ACB TECHNOLOGY INC	SKIP WARRINER	16915W VICTOR RD		NEW BERLIN	WI	53151	414-796-4207	00	4	
5100	A.I.M., ELECTRONICS, INC./	DOT RALEY	375 NORTH WINTZELL AVE.		DAYOU LA BATRE	AL	36509	205-824-2696	20		
5000	ARON COMMUNICATIONS	JOHN WELLS	9 CANAL ST		CHICKASAW	AL	36611	457-3002	00	4	
5082	ARME BUSINESS PRODUCTS	CHUCK	1201 MONTILMAR DR SUITE 900		MOBILE	AL	36609	342-9450	00	4	
105	ADMIN. OFFICE OF COURTS	ROBIN	ATTN. MR. C. RICHARD KNIGHTON		MONTGOMERY	AL	36130	205-834-7990	01	0	
107	ADVANCE MARINE & ELECTRIC	SAM MILLS	P.O. BOX 1396		MOBILE	AL	36633	432-7511	01	10	
108	ADVANCED MARINE INC.	BEVERLY CALLEGARI	217 FIRST STREET		BILOXI	MS	39530	601-374-6747	01	3	
5019	AEW INC	CHUCK BROWN	430 BAY SHORE AVE.		MOBILE	AL	36607	473-1759	00	4	
493	AIR COMFORT COMPANY, INC.	VONCILE SMITH	504 MOFFAT ROAD		MOBILE	AL	36618	344-7750	01	3	
556	AIRPORT BOULEVARD BAPT. CHURCH	JEANIE PRESNALL	5465 AIRPORT BOULEVARD		MOBILE	AL	36608	342-3200	01		
418	AIRTRON INTERNATIONAL INC.	EARL THOMPSON	P.O. BOX 544		SPANISH FORT	AL	36527	626-3074	01		
109	AKZO CHEMICAL OF AMERICA		P.O. BOX 100		AXIS	AL	36505	675-1310	01	9	
111	ALA IND DVL. TRAIN INT		ONE TECHNOLOGY COURT		MONTGOMERY	AL	36116		01	0	
116	ALABAMA HIGHWAY DEPT		1701 N. BELTLINE HWY		MOBILE	AL	36610		01	0	
115	ALABAMA HIGHWAY DEPT.	REA OVEN	ACCOUNTING DIVISION		MONTGOMERY	AL	36130	205-261-6376	01	0	
117	ALABAMA POWER COMPANY		P.O. BOX 2247		MOBILE	AL	36652		01	14	

SPECTRONICS, INC.		ALPHABETICAL CUSTOMER LIST		DATE- 7/02/90		RUF# AR-05-07	
CUST #	NAME CONTACT	ADDRESS 1 ADDRESS 2	CITY	ST	ZIP	PHONE #	SIGN CUST TYPE
118	ALABAMA POWER COMPANY ANN HARTLEY	BARRY STEAM PLANT HIGHWAY 43	BUCKS	AL	36512	829-9615	01 14
441	ALABAMA POWER COMPANY KATHY MOLTON EX.3569	FARLEY NUCLEAR PLANT P.O. DRAWER 470	MOBILE	AL	36312	1-899-5156	01
532	ALABAMA POWER COMPANY W.R. WILSON	GREEN COUNTY STEAM PLANT DRAWER P	DEMOPOLIS	AL	36732	1-289-1847	20 14
592	ALABAMA RIVER PULP JUDY WALLACE	P.O. BOX 100	PERDUE HILL	AL	36470	575-2000	50 9
545	ALABAMA SHIPYARD INC CONNIE A/P 690-7166	P.O. BOX 3001	MOBILE	AL	36552	690-7005	10
572	ALABAMA STATE DOCKS HENRY SLADE	P.O. BOX 1500	MOBILE	AL	36633	690-6007	00 0
479	ALABAMA STATE TROOPERS LT. G.R. SMITH	ATTN: LT. G.R. SMITH 900 BANKHEAD HWY. W.	BIRMINGHAM	AL	35024	205-849-7249	01
504	ALBERT P. BREWER DEV. CENTER EMILY BARR	P.O. BOX 8467 1001 SCHILLINGER ROAD	MOBILE	AL	36609-0467	631-0400	70 0
515	ALCOM ELECTRONICS EXCHANGE, INC. PATTY	2001 17TH AVENUE	GULFPORT	MS	39501	601-868-6596	50 5
120	ALL PHASE ELECTRIC HELEN	P.O. BOX 409	MOBILE	AL	36601	438-1741	01 3
601	ALL SOUTH ELECTRIC, INC. ROBERT MCCOLLUM	P.O. BOX 190154	MOBILE			660-0213	01
565	ALL-TECH, INC. CLO TAYLOR	2469 ESLAVA CREEK PARKWAY P. O. BOX 7575	MOBILE	AL	36607	473-2704	00 1
410	ALLEN MEMORIAL HOSPITAL	735 WASHINGTON AVE.	MOBILE	AL	36603	433-2642	01
121	ALLEN SOUTHERN ELECTRIC JANE NELSON	2077 MILL STREET	MOBILE	AL	36607	470-9577	01 3
5020	ALLIED ALARM DALE SHEPARD	1706 DAUPHIN ST	MOBILE	AL	36606	471-4461	50 4
122	ALLIED BRUCE YERRINIX	P.O. BOX 16667	MOBILE	AL	36616		01 9
466	ALSTON ELECTRIC SUPPLY TOM MULWEE	P.O. BOX 400	PENSACOLA	FL	32593	205-867-6004	01
460	ALSTON REFRIGERATION CO., INC. SANDRA ALSTON	P.O. BOX 9892 845 LAKEVIEW DRIVE	MOBILE	AL	36693	205-666-6644	01
591	ALTUS BANK DEBBIE	P.O. BOX 16267	MOBILE	AL	36616	473-0671	20

EXHIBIT 4

SPECTRONICS, INC.			ALPHABETICAL CUSTOMER LIST			DATE- 7/02/90 REF# AR-05-07		
CUST #	NAME	CONTACT	ADDRESS 1	CITY	ST	ZIP	PHONE #	PAGE 0003
			ADDRESS 2					SIMN
								TYPE
474	AR-SOUTH BANK	ANN PUGH	P.O. BOX 1620	MOBILE	AL	36629	205-694-1584	01
125	AMERICAN CYANAMID COMPANY	ORLENE (OLENE)	P.O. BOX 1924	MOBILE	AL	36633	457-6601	01 9
5001	AMERICAN MICROFILM		924 BUTLER DRIVE	MOBILE	AL	36609		01 CASH
126	AMERICAN MOBILEPHONE PAGING	LOIS	942 SHELTON BEACH ROAD	MOBILE	AL	36618	205-304-7243	01 2
127	AMIC MORTGAGE CORP.	CHERYL	0/B/A AMIC MICRO SERV. 4300 MIDROST DRIVE	MOBILE	AL	36609	343-2631	01 2
617	AMOCO FABRICS AND FIBERS CO.		ANDALUSIA MILLS P.O. BOX 1394	ANDALUSIA	AL	36420	1-222-0434	70
5004	ANDREASON, JAMES		2121 BAKER ROAD	MOBILE	AL	36610		01 CASH
5053	ANDY'S MUSIC	CHUCK	4122 GOVERNMENT BLVD	MOBILE	AL	36693	666-2204	00 4
129	AR-ESS ELECTRONICS INC	BOB STEISKAL	RATCLIFF VILLAGE P.O. BOX 2227	GULF SHORES	AL	36542	943-1395	01 5
512	ARGILLA CORPORATION	GEORGE H. DOUGLAS	P.O. BOX 800	THEODORE	AL	36590-0000	973-1030	00 13
130	ARMSTRONG ELECTRIC		P.O. BOX 1005	MOBILE	AL	36590	653-7609	01 3
131	ARNOLDS INSTRUMENT SERVICE	CAROL	3250 SPRINGHILL AVE	MOBILE	AL	36607	470-3230	01 1
5021	ART THOMPSON		121 MARSHA BLVD	SLIDELL	LA	70450	504-643-7425	00 4
623	AT&T COMMUNICATIONS		RT. 4 BOX 377	BRENTON	AL	36426	1-867-0051	50
525	ATLANTIC MARINE, INC.		P.O. BOX 3202	MOBILE	AL	36652	690-7100	10 10
562	ATLANTIC ORDNANCE & GYRO CO. IN		806 WEST 44TH STREET	NORFOLK	VA	23508	804-423-5595	20
208	ATOCHEN NORTH AMERICA, INC.	BARRI	P O BOX 99	AXIS	AL	36505	829-9421	01
132	AUDIO MASTER TECH	JIM PATTERSON	P.O. BOX 051055	MOBILE	AL	36685	476-1303	01 5
576	AUTOMATIC TERMINAL INF. SYSTEMS	SHERY ALLEN	7110 SATSUMA DRIVE	HOUSTON	TX	77041	713-937-4993	10

CUST #	NAME	CONTACT	ADDRESS 1	ADDRESS 2	CITY	ST	ZIP	DATE-7/27/98	FILE AR 05-07	TIME-11:20:25	PAGE 0002	SLMN	CUST
													TYPE
133	AUTOMATION TECHNOLOGY	PATSY GATES	P.O. BOX 9188	755 LAKESIDE DR. WEST	MOBILE	AL	36691	661-8500	01	3			
568	AUTOMOTIVE PARTS EXCHANGE	DECIE	14A SECTION B		MOBILE	AL	36615	438-2737	50	1			
557	AVIATECH CORP.	HELEN GARRISON	P.O. BOX 1760		ROANOKE	TX	76262	817-430-8684	50	9			
226	AVONDALE GULFPORT MARINE INC.	SANDY ALLEN	ATTN: ACCOUNTS PAYABLES	P O BOX 2249	GULFPORT	MS	39505	601-896-5180	01				
134	AVONDALE SHIPYARDS DIVISION	PACO (PATCO)	P.O. BOX 50280		NEW ORLEANS	LA	70150	504-436-2121	01	16			
5127	BAHR'S AUTOMOTIVE INC	STEVE	1224 MONTLIMAR DR		MOBILE	AL	36689	205-343-9157	00	4			
136	BAGBY & RUSSELL ELECTRIC	PEARL	513 BELTLINE HWY. N.		MOBILE	AL	36688	344-5907	01	3			
137	BAGBY ELEVATOR COMPANY, INC.	KAY PIERCE	P. O. BOX 48247		MOBILE	AL	36684	432-7732	01	3			
138	BAILEYS TV COMPANY		3748 GOVERNMENT BLVD		MOBILE	AL	36685	666-0448	01	5			
5840	BALDWIN COMPUTER & SOFTWARE IN		405 FAIRHOPE AVE		FAIRHOPE	AL	36632		70	4			
603	BAPTIST MEDICAL CENTERS	COLLIE MOORE	P.O. BOX 830685		BIRMINGHAM	AL	35203-0685		10				
440	BARBER PURE MILK CO.	MAUREEN	RT. 14, BOX 446X		MOBILE	AL	36630	205-649-0330	01				
436	BARNETT MILLWORKS		P.O. BOX 389	4915 HAMILTON BLVD	THEODORE	AL	36590	205-433-7710	01				
546	BATCHELOR'S MECHANICAL CONT. IN	BARBARA SAWYER	P.O. BOX 7584		MOBILE	AL	36607	476-4321	20	3			
5078	BATES, LH		6913 VOGEL RD		MOBILE	AL	36689	661-0711	00	4			
139	BATH IRON WORKS CORP.	ANN SNYDER	700 WASHINGTON ST.		BATH	ME	04530	207-442-1070	01	16			
610	BAY COPIER SUPPLIES	DALE T. SENTERFIT	6 GLENWOOD ST.		MOBILE	AL	36601	471-8003	01				
5070	BAY YACHT SALES	RICK BRADFORD	2121 PANORAMA		MOBILE	AL	36689	661-8497	00	4			
559	BAY-TV	W.B. CURRAN	3650 OLD SHELL		MOBILE	AL	36600	471-3700	20	1			

SPECTRONICS, INC.		ALPHABETICAL CUSTOMER LIST		DATE- 7/02/90	REF AR-05-07	
CUST #	NAME CONTACT	ADDRESS 1 ADDRESS 2	CITY	ST ZIP	PHONE #	
					SLMN	
					CUST TYPE	
141	RAYOU BOEUF-INDUSTRIAL ELECT. ANYE DAWSON	P.O. BOX 100759	BIRMINGHAM	AL 35210	205-951-4601	01 3
142	RAYOU LIGHTING SUPPLY	P.O. BOX 631	RAYOU LA PATRE	AL 36509	824-2159	01 3
5066	BEAN CHESTER	156 00805 AVE	MOBILE	AL 36606	478-6094	00 4
5062	BEAUMONT CLINIC O CHIROPRATIC GILES BEAUMONT	413-C AZALEA RD	MOBILE	AL 36609	343-7856	00 4
144	BEDSOLE SURGICAL SUPPLY	P.O. BOX 1228	MOBILE	AL 36604		01 11
5057	BEDSOLE SURGICAL SUPPLY BEN TURNER	PO BOX 1228	MOBILE	AL 36633	438-4606	00 4
146	BENDER SHIP BUILDING CO	P.O. BOX 42	MOBILE	AL 36601	431-8000	01 15
543	BILL COX ELECTRONICS BILL COX OR GEORGE	1011 THORNE AVE.	OCEAN SPRINGS	MS 39564	501-875-9253	10 10
5016	BILL JELKS	0470 LAKE ELEANOR DR	THEODORE	AL 36502	205-653-6839	00 4
150	BOARD OF SCHOOL COMM OF MOBILE KAY JONES 590-8281	P.O. BOX 1327	MOBILE	AL 36633	698-8282	01 7
151	BOEING COMPUTER SUPPORT SERV. 205-461-4600	P.O. BOX 6020	HUNTSVILLE	AL 35824-6020		01 1
472	BOISE CASCADE PAPER GROUP LULA JAMES	JACKSON MILL 307 WEST INDUSTRIAL ROAD	JACKSON	AL 36545	205-246-4461	20
460	BOLLINGER MACHINE & SHIPYARD GWEN GASPARD	P.O. BOX 250	LOCKPORT	LA 70374-0250	504-532-2554	01
5106	BOLTON-BERKLEY JERRY	150 MICHIGAN AVE PO BOX 141	MOBILE	AL 36601	433-1671	00 4
550	BONDURANT BROTHERS COMPANY	906 SEVIER AVENUE	KNOXVILLE	TN 37901	615-573-9151	01 6
5023	BRADLEY, H.	4003 MICHAEL BLVD.	MOBILE	AL 36609	205-342-2866	00 4
445	BROCK CANDY COMPANY	P.O. BOX 22427 4120 JERSEY PINE	CHATTANOOGA	TN 37421	615-899-1100	01 7
526	BROWN & ROOT USA INC.	P.O. 160689	MOBILE	AL 36616	473-0228	50 3
152	BROWN ELECTRO-MECHANICAL SYST.	P.O. BOX 5096	MOBILE	AL 36605	633-5225	01 3

EXHIBIT 4

SPECTRONICS, INC.			ALPHABETICAL CUSTOMER LIST			DATE: 7/22/90 REF: AR-05-07		
CUST # NAME CONTACT			ADDRESS 1 ADDRESS 2 CITY			TIME-11:28:25 PAGE 1		
						ST ZIP PHONE ~		
						SYMN TYPE		
5099	BRUCE HILL		3061 SAN JUAN DR		MOBILE	AL 36609	342-2	80 4
154	BRYANT COMMUNICATIONS INC JOY BRYANT		6409 HILLCREST PARK CT.		MOBILE	AL 36609	205-633-0700	01 5
5097	BUD STACEY BUD		PO BOX 907		SATSUMA	AL 36572	675-0032	80 4
5034	BUDDY ANDERSON		1059 ZURICH ST		MOBILE	AL 36600	342-9676	80 4
5095	BUDWEISER-BUSCH DIST. TOM MCGALLAGHER		1050 N BELTLINE HWY		MOBILE	AL 36617	205-476-4311	20
431	BUSINESS SOUND OF ALABAMA, INC E. V. COSPER		P. O. BOX 7590 3537-B DESIRRAH DRIVE		MOBILE	AL 36618	205-79-1313	01
5028	BUTLER AND CO HAROLD WELCH		128 NORTH BELTLINE HWY		MOBILE	AL 36607	471-4455	80 4
156	C & G MARKETING INC		P.O. BOX 390		FAIRHOPE	AL 36532		01 5
157	C & W AUTO PARTS		3912 COTTAGE HILL RD		MOBILE	AL 36609		01 5
160	C P S I WELL BROOKS		501 BISHOP LANE		MOBILE	AL 36600	344-0100	01 3
999	C.O.D. SALE							01 C
600	CARL T. MOLLER, III CARL		1066 GLEN ACRES DR. RT. 10		MOBILE	AL 36600	633-7020	01
614	CAROLINA POWER AND LIGHT GARY THOMPSON		ACCOUNTS PAYABLE DEPT P.O. BOX 1551		RALEIGH	NC 27612	919-546-7105	70
5002	CARPENTER, DAN		4500 AIRPORT BLVD.		MOBILE	AL 36609		01 CASH
5006	CARTER INVESTMENTS		5500 HIGHWAY 11, SUITE # 7		DAPHNE	AL 36526		01 CASH
503	CARVER STATE TECHNICAL COLLEGE WILSON PAGE		414 STANTON ROAD		MOBILE	AL 36604	473-0692	70 7
99	CASH SALE							01 15
166	CESSNA AIRCRAFT NAS		P.O. BOX 32360		PENSACOLA	FL 32508		01 9
413	CHAND CORPORATION		P.O. BOX 250 HIGHWAY 300 SOUTH		LOCKPORT	LA 70374		01

SPECTRONICS, INC.		ALPHABETICAL CUSTOMER LIST		DATE- 7/02/90	REF# AR-05-07
CUST #	NAME CONTACT	ADDRESS 1 ADDRESS 2	CITY	ST ZIP	PAGE 0007
					SLMN CUST TYPE
167	CHARLES HYLAND VICKIE OR CHARLES	102 ESPLANADE AVE	MOBILE	AL 36606	473-8419 01 S
5135	CHARLY SMITH	2720 EMERSON ST	MOBILE	AL 36606	473-3883 00 A
462	CHATTANOOGA STATE TECH. COLLEGE WES PHILLIPS	4501 AMNICOLA HIGHWAY	CHATTANOOGA	TN 37406	615-622-6262 01 F
160	CHEVRON USA INC DEBBIE MENDENHALL	P.O. BOX 9250	CONCORD	CA 94524	415-977-7056 01 9
599	CHILDRESS COMPANY, INC. ALLEN HENRY	6630 RIVER PLACE	GULF SHORES	AL 36542	943-1651 50
5003	CHUCK WILLIAMSON	4305 BARDEN AVE	MOBILE	AL 36619	666-7676 00 A
169	CIBA-GEIGY CORPORATION	P.O. BOX 113	MCINTOSH	AL 36553	01 9
434	CITY OF FAIRHOPE	P.O. DRAWER 429 ATTN. W. SMITH	FAIRHOPE	AL 36533	01
170	CITY OF MOBILE WICKIE	P.O. BOX 1940 PURCHASING DEPT.	MOBILE	AL 36633	434-7434 01 8
5000	CLARK, ARNOLD	7240 LENOVA ST.	PENSACOLA	FL 32526	01 CASH
567	CLARKE AMERICAN FRANCIS MURPHY	124 N. BELTLINE HWY. P.O. BOX 2003	MOBILE	AL 36607	473-5000 00 1
338	CLOSED-DON'T REOPEN-SHORELINE MARSHA STUCKEY	1617 INDUSTRIAL PARK DRIVE	MOBILE	AL 36693	660-8595 01
373	CO (0023) USCG GRETCHEN	USCG FINANCE CENTER 1430A KRISTINA WAY	CHESAPEAKE	VA 23328-0023	690-2230 01
439	COASTAL CABLING CONTRACTORS JOHN D. MCGIBONEY	1920 MYERS ROAD	EIGHTMILE	AL 36613	205-452-8187 01
616	COASTAL COMPUTER CONNECTIONS MIKE THIAS	421 SECOND AVE.	SARALAND	AL 36571	679-8657 20
5123	COCHRAN, GRAHAM GRAHAM COCHRAN	959 SHADY BROOK DRIVE	MOBILE	AL 36606	205-479-7661 20
609	COM-PU LOG INC. PETE	4600 HARVEST BLDV.	SENNES	AL 36575	649-0959 01
508	COMMANDER (afa)	EIGHTH COAST GUARD DISTRICT HALE BOGGS FEDERAL BLDG	NEW ORLEANS	LA 70130	205-690-2125 01 8
174	COMMANDING OFFICER BATES FIELD	USCG AVIATION	MOBILE	AL 36600	01 12

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SPECTRONICS, INC.			ALPHABETICAL CUSTOMER LIST			DATE - 7/02/98 REL AN 05 07		
CUST #	NAME CONTACT	ADDRESS 1 ADDRESS 2	CITY	ST	ZIP	PHONE #	SLMN	CUST TYPE
378	COMMANDING OFFICER (06-23) JOHN GRAUPMANN	1430A KRISTINA WAY	CHESAPEKE	VA	23326-0623	590-3074	01	01
608	COMPUTER CONNECTIONS RON HEARN	2779 SCHILLINGER RD.	MOBILE	AL	36695-0538	633-4343	20	20
570	COMPUTER TECHNICAL SERVICE, INC ALAN TRIMBLE	3737 GOVERNMENT BLVD. SUITE 302	MOBILE	AL	36693	660-1046	20	20
598	COMSACO MARINE CORP. SHIRLEY	16850 SMITHTOWN AVE.	BOHEMIA	NY	11716	516-563-0533	70	10
175	CONSULTING ENGINEERING SERVICE 866-1206 TOM SHERRY	P.O. BOX 10726	PENSACOLA	FL	32504	984-474-1153	01	3
476	CONTAINER SERVICES INTL. LEE ANN ROWLAND	P.O. BOX 2191 2149 MICHIGAN AVENUE	MOBILE	AL	36615	205-432-2672	01	01
555	CONTEL CELLULAR INC.	1201 MONTLIMAR DR. SUITE 625	MOBILE	AL	36689	344-2414	01	01
489	COTTAGE HILL BAPTIST CHURCH JO FRENCH	4255 COTTAGE HILL ROAD	MOBILE	AL	36689	661-0221	01	01
179	COURTALDS FIBERS INC BRENDA EXT. 309	P. O. BOX 141	AXIS	AL	36505	675-1710	01	9
5079	CRAWLER PARTS INC. LARRY	3536-B DE SIRRAH DR S	MOBILE	AL	36618	476-1133	00	4
5085	CT AND S COMMUNICATIONS CARL JOHNSON	PO BOX 161397	MOBILE	AL	36616	343-7050	00	4
100	CURTIS MATHIS HOME ENTERTAIN	6335 HWY 90 WEST	MOBILE	AL	36689		01	5
636	CUSHING INSTRUMENT SERVICE, IM NORMA CUSHING	15 ROLLING OAKS DRIVE	FAIRHOPE	AL	36532	928-2879	20	11
5090	D MILLER'S CONSTRUCTION CO	4303 VIA ALTA DR	MOBILE	AL	36689	661-1519	00	4
102	DAN'S MARINE ELECTRONICS	END HIGHWAY 10 SOUTH	BON SECOUR	AL	36511		01	10
103	DATA SYSTEMS MANAGEMENT CONNIE McDONALD	54 N. UNION STREET ROOM 250 LARRY JACOBS	MONTGOMERY	AL	36130	1-261-3124	01	0
104	DATA TECH INC TERESA SANDERS	576 AZALEA ROAD SUITE 110	MOBILE	AL	36689	660-0367	01	5
5107	DAVID BARK JR	4740 WICKER WAY	MOBILE	AL	36689	341-0609	00	4
618	DAVIS INTERNATIONAL BILL VAUGHN	DIV. OF DAVIS ELECTRICAL CONT. P.O. BOX 476	MCINTOSH	AL	36553	803-250-2498	20	1000

EXHIBIT 4

SPECTRONICS, INC.		ALPHABETICAL CUSTOMER LIST		DATE- 7/02/90	REF. AR-05-07			
CUST #	NAME CONTACT	ADDRESS 1 ADDRESS 2	CITY	ST	ZIP	PHONE #	SLMN	CUST TYPE
621	DCASR, ATLANTA CAROL LOCKWOOD	ATTN: DISBURSING OFFICE 805 WALKER ST.	MARIETTA	GA	30060	281-532-4436	20	12
185	DEGUSSA ALABAMA INC CHRISTY OR MARGARET	P.O. BOX 606 THEODORE INDUSTRIAL PARK	THEODORE	AL	36582	653-7933	01	9
539	DELCHAMPS, INC. GENEIVA SMITH	P.O. BOX 1660	MOBILE	AL	36633	433-0435	20	9
186	DEPT. OF HUMAN RESOURCES BEN NICHOLS	64 N. UNION STREET ROOM 527/BEN NICHOLS	MONTGOMERY	AL	36130	1-261-3682	20	0
517	DEVICE ENGINEERING CO. INC. CINDY EISLER	P.O. BOX 3094	FT. WALTON BCH.	FL	32548	904-664-5345	20	
490	DIEBOLD, INC.	863 LAKESIDE DRIVE	MOBILE	AL	36693	666-6990	50	
5029	DIGITAL EQUIPMENT CORP DAVE KIRBY	1201 MONTLIMAR DR. STE. 600	MOBILE	AL	36689	343-9766	00	4
498	DILLARD'S JIM MORTON	3300 AIRPORT BLVD.	MOBILE	AL	36623	471-9289	01	
456	DIMENSIONAL PRODUCTS DIV. LYNN REEDY	EMPEROR CLOCK COMPANY P.O. BOX 1089	FAIRHOPE	AL	36532	205-433-3686	01	
271	DIXIE DOOR COMPANY MARK WILLIAMS	P.O. BOX 66157	MOBILE	AL	36603		01	MRO
5058	DIXIELAND SUPPLY CO. INC. KIRBY	P.O. BOX	CITRONELLE	AL	36522	866-2401	70	COM
5133	DON MCWILLIAMS	5025 WEST RIDGELAWN DR	MOBILE	AL	36608	342-4375	00	4
5068	DON PETERSON DON	2955 SCHILLINGER ROAD SOUTH	MOBILE	AL	36695-0542	205-633-6385	20	
191	DONALD TODD	3949 TODD LAKE	GULF SHORES	AL	36542	1-960-7948	01	1
450	DOR-O-MATIC OF SOUTHEAST INC. SIL HESS	6444 WARREN STREET	MORCROSS	GA	30093	404-448-6833	01	
447	DOT/FAA/AFSFG BILL DUKE	8840 FLAVE PIERCE RD	MOBILE	AL	36688	205-694-6694	01	
192	DOVER ELEVATOR CO. NICK - 473-3881	P.O. BOX 7065	MOBILE	AL	36607	473-3894	01	1
5124	E.C. DAVIS	505 SOUTHWEST BLVD.	CHICKASAW	AL	36611	452-2934	00	4
504	E.H. SMITH & SON ELECT. CONT. IN DONNA HERRING	2841-B OLD SHELL RD.	MOBILE	AL	36607	476-6650	01	3

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SPECTRONICS, INC.

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CUST #	NAME CONTACT	ADDRESS 1 ADDRESS 2	CITY	ST	ZIP	PHONE #	SLMN #	CUST TYPE
196	E.I. DUPONT DE NEMOURS SHIRLEY BETHKE	P.O. BOX 486 BEAUMONT WORKS	BEAUMONT	TX	77704	409-727-9822	01	9
197	EAGLE ELECTRONICS INC DAVE OR ASHLEY	P.O. BOX 1842 HWY. 98, YANCEY ROAD	DAPHNE	AL	36526	205-626-5803	01	5
5047	ECONOMY MARINE INC RICKEY SPENCE	1413 MONTLIMAR DR.	MOBILE	AL	36609	342-1177	00	4
5130	ED GODFREY	7761 THEODORE DAWES RD.	THEODORE	AL	36582	653-0932	00	4
198	EGLIN AFB	ACCOUNTING & FINANCING OFFICER AD/ACFM	EGLIN AFB	FL	32542	904-882-4238	01	12
427	ELCOMP, INC.	P. O. BOX 878	CHALMETTE	LA	70044-0878	504-277-1000	01	
103	ELECTRO ENGINEERING EQUIP. CO RUSS KOONTZ	1711 DEAN FOREST ROAD	SAVANNAH	GA	31408	800-288-3312	01	6
5072	ELECTRO SYSTEMS DOM ALEXANDER	4020 FOWL RIVER RD	THEODORE	AL	36582		00	4
594	ELECTRONIC DESIGN, INC.	3020 20th ST.	METAIRIE	LA	70002	504-836-2996	20	
477	ELECTRONIC ENGINEERS, INC BOBBIE COST	3105 INDEPENDENCE DRIVE ATTN: BOBBIE COST	BIRMINGHAM	AL	35209	205-879-2112	01	
5094	ELLISON ELECTRIC GREG ELLISON	5571 ORCHARD ST	SATSUMA	AL	36572	205-675-2017	20	
596	ENERGY ELECTRIC CABLE, INC.	270 REX BOULEVARD	AUBURN HILLS	MI	48057	313-853-0500	10	
510	ENGINEERED REFRIGERATION SYS. STEVE CAROL	2502 COMMERCIAL PARK DR.	MOBILE	AL	36606	471-2426	01	1
200	ENRON PIPELINE OPERATION	ROUTE 3 BOX 22A HIGHWAY 26 WEST	LUCEDALE	MS	39452		01	9
201	ENTRE COMPUTER CENTER BETH	1141 MONTLIMAR DRIVE	MOBILE	AL	36609	343-0720	01	5
531	ESCAMBIA COUNTY COMPTROLLER PAUL NOBLES	P.O. BOX 1111	PENSACOLA	FL	32095	904-436-5732	10	8
426	ESP (ELECTRONIC SPECIALTY) ROGER T. NATION	2320 VENETIA RD.	MOBILE	AL	36605	205-476-6787	01	
5102	EXECUTIVE MOBILE PHONE SLADE	3502 GOVERNMENT BLVD.	MOBILE	AL	36609	666-8500	00	4
202	F.B.I. RADIO DEPARTMENT JIM WENTLAND EXT.220	P.O. BOX 2120	MOBILE	AL	36601	438-3674	01	

SPECTRONICS, INC.

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CUST #	NAME CONTACT	ADDRESS 1 ADDRESS 2	CITY	ST	ZIP	PHONE #	SIMN #	CUST TYPE
571	F.U.R.E.I./FATHOM UNDERSEA JON M. MESHEJIAN	P.O. BOX 161246	MOBILE	AL	26616	342-7515	70	
5014	FAA WC MOORE	8840 FLAVE PIERCE RD	MOBILE	AL	36608	694-6688	80	4
5030	FAA PETE DAWSON	8840 FLAVE PIERCE RD.	MOBILE	AL	36608	694-6688	80	4
203	FAIRHOPE AVIATION SERVICE JOYCE	P.O. BOX 925	FAIRHOPE	AL	36533	928-1230	01	
620	FARNELL & ASSOCIATES, INC. F.C. FARNELL	P.O. BOX 6626	MOBILE	AL	36660	343-6400	01	
425	FIFE FLORIDA ELECTRIC SUPPLY MIKE JENKINS	5408 N. 59th STREET	TAMPA	FL	33610	813-621-9649	01	
5096	FILLTRONICS TOM FILLERS	1451 ATHEY RD	MOBILE	AL	36608	342-4025	80	4
513	FINANCE AND ACCOUNTING DIANE LEDBETTER	ATTN: ACCOUNTS PAYABLE	FORT MCCLELLAN	AL	36205-5000	205-848-4520	10	8
5132	FIRST COMMUNITY BANK JACK ANDRADE	PO BOX 1419	CHATAM	AL	36518	847-2214	80	4
506	FISCAL BRANCH---USCG L.HALL/FIS.62598980	USCG AIRCRAFT REPR & SUP CNTR	ELIZABETH CITY	NC	27909-5001	919-335-6126	20	8
461	FLEXNET SYSTEMS, INC. SHERRY GILES	3737 GOVERNMENT BLVD. SUITE 100	MOBILE	AL	33693	205-660-1293	01	
205	FLORIDA GAS TRANSMISSION	309 HIGHWAY 277 SOUTH	CHIPLEY	FL	32428		01	
613	FMP-RAUMA CO. G.L. ALBERTSON	104 INVERNESS CENTER PLACE SUITE 300	BIRMINGHAM	AL	35242	205-995-0190	30	
206	FMS CORPORATION SONYA PRESTON-93417	P.O. BOX 66999 12637 BEATRICE STREET	LOS ANGELES	CA	90066	213-306-2800	01	
5400	FD BROWN	RT 1	MILLRY	AL	36558	846-2500	80	4
207	FORBES ELECTRONICS DISTRIBUTOR	14 MIDTOWN PARK WEST	MOBILE	AL	36606	479-4535	01	
208	FORNEY ENGINEERING CO. DON HAIL	P.O. BOX 189	ADDISON	TX	75001	214-458-6100	01	
507	FORREST GENERAL HOSPITAL JEFF HUDSON	P.O. BOX 16389 400 SOUTH 28TH AVENUE	HATTISBURG	MS	39401	601-288-8098	10	
5008	FOX, MARTY	KEITHLEY TRAILOR PARK 04	SENNES	AL	36575		01	

SPECTRONICS, INC.			ALPHABETICAL CUSTOMER LIST			DATE- 7/02/90			REF# AR-05-07		
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CUST #	NAME	CONTACT	ADDRESS 1	ADDRESS 2	CITY	ST	ZIP	PHONE #	SLWN	CUST	TYPE
458	FYER SALES & SERVICE, INC.	CHARLES W. THORNTON	608 S. BROAD STREET		MOBILE	AL	36603	205-432-1625	01		
573	G.E. COMPUTER SERVICE	MARSHA EDWARDS	2912 PACIFIC DRIVE	ATTN: ACCOUNTS PAYABLE	MORCROSS	GA	30071	404-246-6200	70	1	
212	G.E. SUPPLY CO.		P.O. BOX 1387		MOBILE	AL	36633		01		
561	GAF BUILDING MATERIALS CORP.	WILLIE	2400 EMOGENE STREET	P. O. BOX 6377	MOBILE	AL	36660	478-6311	50	1	
442	GALLO MACHINE, INC.	BOB GALLO	1902 PINE DRIVE		CHALMETTE	LA	70043	504-279-3946	01		
5036	GARY MEHRER	GARY	0071 HOOPER ST.		MOBILE	AL	36619	661-3520	50	4	
213	GENERAL ALARM SYSTEMS, INC.	LINDA	007 WILWOOD DRIVE		MOBILE	AL	36693	205-666-5943	01		
214	GENERAL COMMUNICATIONS	CAROL	P.O. BOX 7146		MOBILE	AL	36607	205-471-3408	01		
499	GENERAL ELECTRIC CO.		C/O CBSI ACCOUNTS PAYABLE	P.O. BOX 33011	LAKELAND	FL	33807-3011	813-644-0631	01	9	
215	GENERAL MACHINERY CO.		P.O. BOX 5174		MOBILE	AL	36605	473-1588	01		
5033	GEORGE EDGAR		4414 S. SHAN DR.		MOBILE	AL	36609		70	4	
595	GEORGE K. MOSS CO., INC.	PAM BEST	6157TH AVENUE NORTH		BIRMINGHAM	AL	35203	205-322-2522	20	5	
216	GEORGIA PACIFIC		P O BOX 986		MONROEVILLE	AL	36461		01		
5071	GEOTECHNICAL ENG-TESTING, INC	JOHN SCHULLER	904 BUTLER DRIVE		MOBILE	AL	36693	205-666-7197	20		
523	GEOTECHNICAL ENGINEER-TEST, INC	LYNN C. DOYLE	904 BUTLER DRIVE		MOBILE	AL	36693	666-7197	20		
5092	GLASCOE, RICHARD B	RICHARD GLASCOE	7762 TARA URIVE, N		MOBILE	AL	36619	205-661-6556	20		
423	GOLDIN OF ALABAMA, INC.		P.O. BOX 1426	1360 CONCEPTION ST. ROAD	MOBILE	AL	36633		01		
218	GRIERS OFFICE MACHINES	ROSA	62 NORTH FLORIDA STREET	TAX NO. 49-5789	MOBILE	AL	36607	660-9045	01		
563	GTO	MARK TAPER	430 RITT ST.		ST. PETER	MM	56002	507-931-4137	01		

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SPECTRONICS, INC.		ALPHABETICAL CUSTOMER LIST			DATE- 7/02/90	REF# AH-05-07		
CUST #	NAME CONTACT	ADDRESS 1 ADDRESS 2	CITY	ST	ZIP	PHONE #	SIMN	CUST TYPE
219	GULF COAST CELL TELEPHONE	105 NORTH BELTLINE HIGHWAY	MOBILE	AL	36600	343-9700	01	
220	GULF COAST MARINE SUPPLY	504 STIMRAD ROAD	MOBILE	AL	36610	452-8066	01	
5052	GULF COAST TRUCK EQUIPMENT SCOTT RAYNOR	2260 HALLS MILL RD	MOBILE	AL	36606	476-2744	00	4
221	GULF ELECTRIC COMPANY JIM MCCORD	P O BOX 2385	MOBILE	AL	36601	666-0654	01	
222	GULF FURNITURE COMPANY BETTY OR TRACY	1310 SPRINGHILL AVENUE	MOBILE	AL	36604	476-1531	01	
510	GULF LUMBER COMPANY INC. MARILYN FAIRCLOTH	P.O. BOX 1663	MOBILE	AL	36633	457-5072	00	
224	GULF SOUTHERN COMMUNICATIONS	1419 JOYCE ROAD	MOBILE	AL	36618	666-0458	01	
225	GULF TELEPHONE COMPANY PRICILLA WILLIAMS	P O BOX 670	FOLEY	AL	36536	205-943-1511	01	
227	H & H ELECTRIC COMPANY INC HOWARD OR PAT HILL	P O BOX 461	SARALAND	AL	36571	675-2186	01	
507	HARRIS COMPUTER SYSTEMS DIV DAN FREY	700 MONTLINAR PARK SUITE E-203	MOBILE	AL	36693	649-8700	00	
5103	HARRIS CORP DAN FREY	700 MONTLINAR PARK E-203	MOBILE	AL	36693		00	4
485	HARRISON EQUIPMENT CO., INC.	P.O. BOX 3260	HOUSTON	TX	77253	713-879-2600	01	
506	HARVEY N BLAKENEY HARVEY	6200 AIRPORT BLVD, APT. 107	MOBILE	AL	36600	205-460-0007	20	
5040	HC SLATON	2301 ASHLAND PLACE AVE	MOBILE	AL	36607	479-2692	00	4
484	HERFF JONES YEARBOOK CINDY HOPKINS	P.O. BOX 17	MONTGOMERY	AL	36195	1-200-5260	01	
230	HIGH-TECH CONTROLS	P.O. BOX 312	SUMRALL	MS	39402		01	
231	MILLER SYSTEMS INC GINGER	P O BOX 161309	MOBILE	AL	36616	432-5570	01	
606	HITACHI SEIKI USA, INC. MR. KERBY BROWN	9650 KELLNER RD.	HUNTSVILLE	AL	35824	914-260-4124	01	
385	HOLCHEST CELANESE CORPORATION	SPECIALTY CHEMICALS GROUP P.O. BOX 64	BUCKS	AL	36512	829-6601	01	

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SPECTRONICS, INC.		ALPHABETICAL CUSTOMER LIST		DATE- 7/02/90	REFR AR-05-07				
CUST #	NAME CONTACT	ADDRESS 1 ADDRESS 2	CITY	ST	ZIP	PHONE	PAGE 0014	SLMN	CUST TYPE
5056	HOLIDAY INN STEVE RANDOLPH	I-10 6627 HWY 90	MOBILE	AL	36619	666-5600		00	4
238	HOLNAM INC. BILL KELLY	CEMENT DIVISION P O BOX 649	THEODORE	AL	36590	653 6200		01	
232	HONEYWELL CORPORATION DEBRA CANNON	1110 MONTELMAR DR. SUITE 150	MOBILE	AL	36609	205-945-3545		01	
233	HORNER ELECTRIC MOTOR COMPANY BROADBECK	P O BOX 9234	MOBILE	AL	36609	344 8456		01	
5084	HUDSON, GAILLARD & JONES DAVID YEEND	22 NORTH MOBILE ST POST OFFICE DRAWER 70047	MOBILE	AL	36607-9994	476-2727		00	4
234	HUGHES AIRCRAFT-AL MARTY PARKER	17195 US HWY. 90 W. P.O. BOX 1560	FOLEY	AL	36535	1-943-1623		01	
578	HULS AMERICA, INC. HOLLY PURVIS	MOBILE PLANT P.O. BOX 889	THEODORE	AL	36590	443-5400		50	9
235	HUNTER SECURITY INC	P O BOX C	FAIRHOPE	AL	36532	626-5112		01	
467	HURLBURY AIR FORCE BASE	ACCOUNTING AND FINANCE OFFICER 150W/ACFM	HURLBURY FIELD	FL	32544-5260	904-884-6212		01	
236	ICI AMERICAS INC	P O BOX 32	BUCKS	AL	36512			01	
611	IDM CONTROLS, INC. LISA MCINTOSH	2565 WALLS MILL RD. SUITE E	MOBILE	AL	36606	713-601-6942		01	
487	INDUSTRIAL DEV. BD ANDALUSIA	C/O AMOCO FABRICS & FIBERS P.O. BOX 1394	ANDALUSIA	AL	36420			70	
424	INDUSTRIAL DEVL. BD OF MOBILE	SCOTT PAPER COMPANY P.O. BOX 2447	MOBILE	AL	36652			01	
549	INFOSYSTEMS ARCHITECTS, INC LAURIE OR PADEN	717 EXECUTIVE PARK DRIVE	MOBILE	AL	36606	473-7785		01	
241	INGALLS SHIPBUILDING CO. DOY LAWLEY	ACCTS PAY LITTON SYS P O BOX 149	PASCAGOULA	MS	39567	601-937-4435		01	
407	INSTRUMENT CONTROL SERVICES LYNN	P O BOX 7126	PENSACOLA	FL	32514	666-1785		01	
242	INSTRUMENT TECHNICAL SERVICES DAVID LANNEY	10051 HWY. 90 WEST	THEODORE	AL	36582	653-7702		01	
514	INTEGRATED POWER SYSTEMS CORP	P.O. BOX 2001 ZIP 77487-2001 910 INDUSTRIAL BOULEVARD	SUGARLAND	TX	77470	713-236-4652		01	
5120	INTELLIGENT ALTERNATIVES DONNY SMITH	2410 WALLS MILL RD	MOBILE	AL	36606	205-471-0004		00	4

SPECTRONICS, INC. DATE- 7/82/90 REF# AR-05-07
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245	INTERNATIONAL PAPER COMPANY	MABLE	SOUTHERN KRAFT DIVISION P O BOX 2448		MOBILE	AL	36652	478-3665	01		
246	INTERNATIONAL PAPER COMPANY		P O BOX 168787		MOBILE	AL	36616		01		
244	INTERNATIONAL PAPER COMPANY	JOANN EXT. 2241	BROOKLEY BAG COMPLEX P O BOX 1565		MOBILE	AL	36601	478-2000	01		
416	INTERNATIONAL PAPER RESEARCH		P O BOX 2787		MOBILE	AL	36652	285 478 3899	01		
497	INTERNATIONAL SWITCHBOARD CORP	SANDY	P.O. BOX 2001		SUGAR LAND	TX	77487-2001	713-248-7022	10	13	
5110	ISA INFO SYSTEMS	MARK OR RON	717 EXECUTIVE PARK DR		MOBILE	AL	36686	205-473-7785	80	4	
248	J & J ELECTRIC	KATHY MCCLURE OR JOE	P.O. BOX 91329		MOBILE	AL	36691	666-8951	01		
249	JAMES H RICH COMPANY INC		1455 MONTILMAR DRIVE		MOBILE	AL	36609	344-4471	01		
250	JEFFERSON COUNTY COMMISSION		ATTN: COMPTROLLER 3000 COURTHOUSE		BIRMINGHAM	AL	35264		01		
5017	JERRY WILLIAMS								00		
508	JLS ELECTRONICS, INC.	DEMNIS WOOD	1713 2ND AVENUE SOUTH		BIRMINGHAM	AL	35233	800-292-3467	10		
5134	JOE KERR		PO BOX 6010		KEY WEST	FL	33041	305-292-8883	80	4	
602	JOHN E. GRAHAM & SON	PAT GATCHALL	P.O. BOX 877		BAYOU LA BATRE	AL	36509	824-4136	20	10	
550	JOHNSON CONTROLS, INC.	LES GROVES	2866 DAUPHIN ST. SUITE 3		MOBILE	AL	36606	479-8540	80	1	
5012	JOHNSTON, ROBERT		135 MATHIESON CT		SARALAND	AL	36571	675-0536	80		
563	JONES-MCLEOD APPLIANCE SERV. INC	GAYLE FALLS	1616 7TH AVENUE		BIRMINGHAM	AL	35203	1-251-0002	80		
253	JOSHCO VIDEO		4364 WEST BIRCHWOOD DRIVE		MOBILE	AL	36609		01		
5059	K J MCGREW JR		6000 GLENCREST CT		MOBILE	AL	36609	661-3246	80	4	
254	KAMIL SHIP SUPPLY COMPANY		P O BOX 2271		MOBILE	AL	36652		01		

EXHIBIT 4

SPECTRONICS, INC.		ALPHABETICAL CUSTOMER LIST		DATE- 7/02/90	REF# AR-05-07
CUST #	NAME CONTACT	ADDRESS 1 ADDRESS 2	CITY	ST ZIP	PAGE 0016
					PHONE #
					SLMN
					CUST TYPE
104	KEESLER AIRFORCE BASE	ACCOUNTING & FINANCE ACPM	KEESLER AFB	MS 39534-5200	01 12
564	KELSON ELECTRIC CO., INC. JAMES KELSON	906 WEST MAIN STREET P. O. BOX 4353	PENSACOLA	FL 32507	904-434-1134 20 3
5091	KEN E ANDERSON KEN ANDERSON	1014 BELVEDERE CIR., E.	MOBILE	AL 36686	205-479-0103 20
5065	KEN'S CAR TUNES NEIL	3350 SPRINGHILL AVE	MOBILE	AL 36687	476-2313 00 4
255	KENNEDY INDUSTRIAL SUPPLY CO	4001 HALLS MILL ROAD	MOBILE	AL 36689	01
256	KERR-MCGEE CHEMICAL CORP	P O BOX 25861 INVOICE CLEARING	OKLAHOMA CITY	OK 73125	01
429	KEVIN ASSMANN KEVIN	5159 RIDGEDALE	MOBILE	AL 36689	205-343-6900 01
5061	KEVIN ROBERTSON	PO BOX 192	FULTON	AL 36446	636-9226 00 4
257	KIMBERLY-CLARKE CORPORATION	ACCOUNTS PAYABLE DEPARTMENT P O BOX 2606	WACO	TX 76702-2606	01
258	KITCHENS ELECTRIC COMPANY	4305 HALLS MILL ROAD	MOBILE	AL 36689	01
432	KYSER MARINE ELECTRONICS JOHN E. KYSER	261 MAGNOLIA AVENUE	SATSUMA	AL 36672	205-675-7832 01
5030	KYSER MARINE ELECTRONICS JOHN E KYSER	261 MAGNOLIA AVE. AL TX 04900-30286	SATSUMA	AL 36572	205-675-7832 20 4
5111	LANDON C. HOCUTT	4257 VIA ALTA DR	MOBILE	AL 36609	661-7150 00 4
5090	LARSON COMPUTER SERVICES LESLIE W. LARSON	RT 1 BOX 296 WIMS RD	CHUNCHULA	AL 36521	679-9654 00 4
5037	LARSON COMPUTER SERVICES	RT. 1. BOX 296 WIMS RD.	CHUNCHULA	AL 36521	70 4
401	LEE BRASS COMPANY	GOLDEN SPRINGS ROAD	ANNISTON	AL 36201	205-731-2501 01
262	LERIO CORPORATION DIANE	P O BOX 2084	MOBILE	AL 36652	01
5105	LET	704-A LAKESIDE DR	MOBILE	AL 36693	666-6400 01 4
5104	LINK CONTROLS LARRY	750-A LAKESIDE DR	MOBILE	AL 36693	660-1007 00 4

EXHIBIT 4

CUST #	NAME	CONTACT	ADDRESS 1	ADDRESS 2	CITY	MOBILE	AL	36693	560-1007	80	4
5104	LINE CONTROLS	LARRY	750-A LAKESIDE DR								
SPECTRONICS, INC.											
DATE-7/02/90	REF# AR-05-07	TIME-11:20:25	PAGE 0017	ST	ZIP	PHONE #					
5113	LINK CONTROLS	BOB BROWN	750A LAKESIDE DR		MOBILE		AL	36693	560-1007	80	4
264	LITTON SYSTEMS INC	DEANNA	P O BOX 7601	DATA SYSTEMS DIVISION	VAN NUYS		CA	91409	818-904-2511	01	
519	LOGICAL DEVELOPMENT CORP.	KAREN LONG	P.O. BOX 6396		PENSACOLA		FL	32505	904-476-7900	80	9
5101	LOU'S	JIM	3900 COTTAGE HILL RD		MOBILE		AL	36609	661-1991	80	4
5022	LOU'S STEREO & VIDEO	LOU	3900 COTTAGE HILL RD		MOBILE		AL	36609	205-661-1999	80	4
265	LOUISIANA LAND & EXPLORATION CO		P O BOX 7540		SARALAND		AL	36571		01	
534	LOYAL AMERICAN LIFE INSUR. CO.		P.O. BOX 6400		MOBILE		AL	36660-0400	471-5401	20	1
266	LUMARK ELECTRONICS	RON	5705 FLORENCE		PENSACOLA		FL	32506	904-456-5050	01	
267	LUNDE MARINE ELECTRONICS	ALICE	5415 24TH AVENUE, NORTHWEST		SEATTLE		WA	98107	206-789-3011	01	
5342	LYON PROPERTIES	LARRY MCKEEVER	P O BOX 16124		MOBILE		AL	36616	479-4524	80	4
579	M.T.A.	EMMA	P.O. BOX 2026		MOBILE		AL	36652	344-6600	70	8
415	MACK ELECTRIC SUPPLY INC	VIVIEN H. BROOKINS	P.O. BOX 2048		DOTHAM		AL	36302	205-792-2111	01	
269	MARINE LAND SERVICES		4040 SOUTHEAST 12TH COURT		GRESHAM		OR	97080		01	
272	MARTIN ELECTRONICS	MR. MARTIN OR LYNN	916 BUTLER DRIVE		MOBILE		AL	36609	666-5400	01	
619	MARTIN SUPPLY CO., INC.	ROBERT HESTER	P.O. BOX 2106		DECATUR		AL	35642	205-303-3131	70	
538	MASON CHAMBERLAIN INC.	BONNIE HAYES	BLDG. 9110		STENNIS SPC. CTR	MS	MS	39529-7099	601-467-0070	50	12
548	MASONITE CORPORATION		P.O. BOX 1048		LAUREL		MS	39441-1048	601-649-6000	20	13
604	MATTHEWS ELECTRIC SUPPLY	RUTH REICHWEIN	P.O. BOX 1315	961 CONGRESS STREET	MOBILE		AL	36633	205-432-4406	70	

EXHIBIT 4

SPECTRONICS, INC.

ALPHABETICAL CUSTOMER LIST

DATE- 7/02/90 REF# AR-05-07
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ST ZIP PHONE 0 SLWN CUST
TYPE

CUST #	NAME CONTACT	ADDRESS 1 ADDRESS 2	CITY	MOBILE	AL	36606	476-9517	00	1
500	MCAL PENNY DUPONT	3213 EXECUTIVE PARK CIRCLE	MOBILE		AL	36609		01	
5007	MCCAMMON, STEVE	751 LAKESIDE DRIVE	MOBILE		AL	36609		01	
274	MCCRORY CONTROLS COMPANY HANKS MCCRORY	6000 COOPER DRIVE	MOBILE		AL	36609	660-9467	01	
5035	MECO HANK	251 ST LOUIS ST	MOBILE		AL	36602	433-6997	00	4
5013	MEGA SERVICES PHILLIP HEISLER	PO BOX 8797	MOBILE		AL	36609	205-460-3361	00	4
529	MERCURY CONSOLIDATED, INC. LISA UNDERWOOD	3315 SOUTH MEMORIAL PARKWAY SUITE 600	HUNTSVILLE		AL	35001	205-880-1255	20	12
597	MERCY MEDICAL PAT JOHNSON	P.O. BOX 1090	DAPHNE		AL	36526	205-626-2694	30	
411	METRIC SYSTEMS CORP.	646 ARCHERST	FT. WALTON BCH		FL	32540		01	
276	MICRO-COMM INC.	2612 CAMERON STREET	MOBILE		AL	36607		01	
277	MICROTIE CORPORATION WENDY JUSTICE	P.O. BOX 91269	MOBILE		AL	36691	343-0400	01	
495	MICROTROL EDGAR	322 CHAMPLAIN DRIVE	DELTONA		FL	32726	407-574-8077	01	6
607	MIDDLETON'S MARINE ENGINE SER. JUDY MILLER	5004 DAUPHIN ISLAND PLS	MOBILE		AL	36605	478-4432	50	10
5125	MIKE DORSETT	PO BOX 800157	MOBILE		AL	36605	205-660-9119	00	4
5131	MIKE HOLMES	3771 WEST ALTA VISTA DR	MOBILE		AL	36605	470-8061	00	4
5054	MILTON FOX	2777 LECREN ST	MOBILE		AL	36607	473-1659	00	4
278	MISSISSIPPI POWER COMPANY	PLANT DANIEL HIGHWAY 83	EACATAUPA		MS	39952		01	
279	MISSISSIPPI POWER COMPANY DEBBIE	P O BOX 4079	GULFPORT		MS	39501	601-865-5470	01	
280	MITCHELL ELECTRONICS	00 SOUTH SNOW ROAD	SENNES		AL	36575		01	
4001	MAT								

EXHIBIT 4

0000 001

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SPECTRONICS, INC.		ALPHABETICAL CUSTOMER LIST			DATE- 7/02/90		REF# AR-05-07	
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CUST #	NAME CONTACT	ADDRESS 1 ADDRESS 2	CITY	ST	ZIP	PHONE #	SLMN #	CUST TYPE
5024	MMI MUSIC AND AUDIO JAMES ANDREASON	446 AZALEA RD	MOBILE	AL	36609	344-0899	00	4
5027	MMI MUSIC AND AUDIO						00	
282	MOBIL EXPLOR.& PRODUC.U.S. INC DOT	5201 OLD ROCK ROAD ATTN: INVOICE PROCESSING	CODEN	AL	36523	873-2200	01	
291	MOBILCOMM	1540A BELTLINE HIGHWAY SOUTH	MOBILE	AL	36609		01	
509	MOBILE AIRPORT AUTHORITY JOYCE HAVARD	P.O. BOX 00004	MOBILE	AL	36600-0004	633-4510EX15	00	
574	MOBILE BAY ELECTRIC SUPPLY CO. JOHN BENNETT	P.O. BOX 506	MONTROSE	AL	36559	920-3532	01	
612	MOBILE COMMUNITY ACTION, INC. FLOYD POUGH	204 EAST MAIN STREET	PRICHARD	AL	36610	457-5700	30	1
412	MOBILE COUNTY COMMUN DISTRICT DICK BUTZ	EMERGENCY 911 7340 ZEIGLER BLVD	MOBILE	AL	36600	639-2360	01	
501	MOBILE COUNTY HEALTH DEPT. JUDY HOFFMAN	P.O. BOX 2067	MOBILE	AL	36652-2067	690-8145	20	8
509	MOBILE COUNTY ROAD & BRIDGE BOB HARPER	1200 SCHILLINGER'S ROAD N.	MOBILE	AL	36600	633-4032	01	8
204	MOBILE GAS SERVICE CORP	P O BOX 2240	MOBILE	AL	36601		01	
206	MOBILE INFIRMARY MEDICAL CNTR	P O BOX 2144	MOBILE	AL	36652		01	
575	MOBILE MARINE RADIO INC. WLO J.L.DEZAUCHE	7700 RINLA AVE.	MOBILE	AL	36619	666-5110	00	10
200	MOBILE PAINT MFG COMPANY	P O BOX 717	MOBILE	AL	36590		01	
209	MOBILE PAPERBOARD CORPORATION	P O BOX 7395	MOBILE	AL	36607		01	
552	MOBILE PRESS REGISTER RON HEUBACH	P.O. BOX 2400	MOBILE	AL	36601	433-1551	00	
293	MODERN SOUND & COMMUNICATIONS	P O BOX 66245	MOBILE	AL	36660	473-6620	01	
294	MONSANTO CORP	P. O. BOX 12030	PENSACOLA	FL	32575	904-960-7171	01	
205	MONTGOMERY ELEVATOR COMPANY	P O BOX 450	MOBILE	AL	36601	473-6620	01	

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EXHIBIT 4

200 HUNTSVILLE ELEVATOR SUPPLY
SHARON

100 DVA 400

HUNTSVILLE

AL 36625

344-3000

80

SPECTRONICS, INC.

ALPHABETICAL CUSTOMER LIST

DATE- 7/02/90 REF# AR-05-07
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CUST #	NAME CONTACT	ADDRESS 1 ADDRESS 2	CITY	ST	ZIP	PHONE #	SLMM #	CUST TYPE
537	MORRISON INCORPORATED TERESA TRESSTZS	P.O. BOX 160266	MOBILE	AL	36625-0001	344-3000	80	1
298	MORRISON'S CUSTOM MANAGEMENT SANDY McFARLAND	P O BOX 160266 ATTN: SANDY McFARLAND	MOBILE	AL	36625	205-344-3000	01	
300	MOTOROLA COMM & ELECTRONICS MELISSA	350 PLEASANT VALLEY ROAD SUITE A	MOBILE	AL	36609	343-2560	01	
5060	MRS. JOHNSON	WINDSOR PLACE APT.	MOBILE,	AL	36608		70	4
577	McDONNELL DOUGLAS SPACE SYS.CO	HUNTSVILLE DIV. 609 DISCOVERY DRIVE	HUNTSVILLE	AL	35806	1-721-3700	01	12
5009	McNABARA, MIKE	4216 HIGHWAY 90 DRIVE	MOBILE	AL	36693		01	
544	MAD NIF	ACCOUNTING BRANCH CODE 22330 BLDG 603-4	NAS PENSACOLA	FL	32508-5300	904-452-3231	80	8
437	NATIONAL DISTRIBUTING & LEASE LEONARD OWEN, PRES.	P.O. BOX 0709 7341 ZIEGLER BLVD.	MOBILE	AL	36608	205-633-9431	01	
491	NAVAL ENGINEERING WORKS INC JEANIE OR JERRY RICH	4510 SHORTCUT ROAD	PASCAGOULA	MS	39567	601-769-1000	10	
494	NCR AL FOSTER	4211 GOVERNMENT BLVD.	MOBILE	AL	36693	661-3152	01	1
303	NELSON RADIO & SUPPLY	P.O. BOX 16348	MOBILE	AL	36616-0348	479-1471	01	
304	NEWPORT NEWS SHIPBUILDING	4101 WASHINGTON AVENUE	NEWPORT NEWS	VA	23607		01	
615	NMP CORP.	P.O.BOX 35493	TULSA	OK	74153-0493	918-252-8481	70	
5129	NOAA SHIP MALCOLM BALDRIGE EARNIE PYLE	1600 PORT BOULEVARD DODGE ISLAND	MIAMI	FL	33132	431-8908	80	4
307	NORDEN SERVICE COMPANY BERNADETTE	200 PROFESSIONAL DRIVE SUITE 200	GAITHERSBURG	MD	20879	301-258-7928	01	
522	NUSBAUM REPAIR SERVICE FRED NUSBAUM	1364 RIDGEWOOD DRIVE	MOBILE	AL	36608	344-1079	50	1
414	NUTEK INC KAREN	P.O. BOX 17547	PENSACOLA	FL	32522	904-478-1793	01	
503	NUTHELM INTERNATIONAL, INC. HAROLD BOYD-PURC.MGR	501 SOUTH ELEVENTH STREET	MOUNT VERNON	IL	62864	618-244-6000	10	8
560	OCCIDENTAL CHEMICAL	MORTIF PLANT	MORTIF	AL	36614	457-8651	20	9

609 OCCIDENTAL CHEMICAL

MOBILE PLANT
1300 JARVIS ROAD

MOBILE

AL 36014

457-0004

10 9

SPECTRONICS, INC.

ALPHABETICAL CUSTOMER LIST

DATE-7/02/90 REF# AR-05-07

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CUST # NAME CONTACT ADDRESS 1 ADDRESS 2 CITY STATE ZIP PHONE # SIMN # CUST TYPE

5116	OFFICE DEPOT GEORGE WEITZER	3658 B AIRPORT BLVD	MOBILE	AL	36608	205-342-3390	00	4
309	OLIM CHEMICAL COMPANY	P O BOX 28	McINTOSH	AL	36553		01	
469	ORNIPHONE, INC. DAVID KEELER	P.O. BOX 8739	MOBILE	AL	36609	205-666-6333	01	
524	OTIS ELEVATOR CO.	2476 COMMERCIAL PARK DR.	MOBILE	AL	36606	476-4751	10	1
5120	PAT SEIBERT	2217 VAUGHAN DR	MOBILE	AL	36605	205-479-3428	00	4
312	PATTERSON COMMUNICATIONS	P O BOX 1183	BILOXI	MS	39533		01	
5052	PAUL HEARN	4441 MCCRAY RD	SEMMES	AL	36575	649-0351	00	4
313	PCAL LASER SYSTEMS, INC.	4362 MIDROST DR.	MOBILE	AL	36609	342-4645	01	
454	PENSACOLA ELECTRONICS BOB MCCRAY	133 WEST INDUSTRIAL BLVD	PENSACOLA	FL	32505	904-478-3771	01	
428	PENTASTAR ELECTRONICS, INC.	P.O. BOX 1929	HUNTSVILLE	AL	35807		01	
435	PETERSON SHIPBUILDERS BOB NELSON	1061 SHILON ROAD	STURGEON BAY	WI	54235	414-743-5574	01	
314	PHILIPS MEDICAL SYSTEMS JOHNNIE CASTRA	1955 CLIFF VALLEY WAY SUITE 110	ATLANTA	GA	30329	404-636-9729	01	
349	PORT ST JOE PAPER COMPANY	P O BOX 190	PORT ST JOE	FL	32456		01	
317	POSER BUSINESS FORMS	P O BOX 409	FAIRHOPE	AL	36533	928-4022	01	
318	PRESLEY ELECTRIC COMPANY DEBBIE	1862 DUVAL STREET	MOBILE	AL	36606	473-4475	01	
5087	PROFESSIONAL DIVERS JAMES CADD	9 MELANIE LN	SEMMES	AL	36575	649-5642	00	4
319	PROVIDENCE HOSPITAL	6801 AIRPORT BOULEVARD	MOBILE	AL	36608		01	
5010	QUALITY COMPUTER SERVICES	P.O. BOX 91571	MOBILE	AL	36619		01	
502	QUALITY MEDICAL SYSTEMS	P O BOX 1183	MOBILE	AL	36608		01	

EXHIBIT 4

320 QUALITY MICRO SYSTEMS
MELISSA PLEDGER

P O BOX 81250

MOBILE

AL 36603

633 4200

01

SPECTRONICS, INC.

ALPHABETICAL CUSTOMER LIST

DATE- 7/02/90 REF# AR-05-07
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CUST #	NAME CONTACT	ADDRESS 1 ADDRESS 2	CITY	ST	ZIP	PHONE #	SLMN #	CUST TYPE
406	QUALITY TECHNOLOGY, INC. JOHN LAPEYROUSE	2866 DAUPHIN STREET, SUITE 0	MOBILE	AL	36606	205-471-9905	01	
402	QUINCY COMPRESSOR DIVISION SHARON	ROUTE 3, BOX 252	BAY MINETTE	AL	36507	937-5900	01	
321	RADIO HOLLAND TEXAS PEGGY	P O BOX 2492	MOBILE	AL	36652	432-3109	01	
622	RALPH'S INDUSTRIAL ELECTRONICS	3112 CAMERON	LAFAYETTE	LA	70506	310-233-0105	01	
5015	RANDALL SHELL	1617 BRILL RD	MOBILE	AL	36605	205-666-5943	00	4
580	REFRIGERATION SUPPLY CO., INC. JANE BRYANT	P.O. BOX 7545	MOBILE	AL	36607	471-3321	70	
5114	RICHARDSON ELECTRIC JOE EVERETT	BURTON AVE	MOBILE	AL		471-4266	00	4
5044	ROBERT BURNS	1915 CLEARMONT ST	MOBILE	AL	36606	479-2429	00	4
590	ROGERS TELECOM PRODUCTS, INC. AUDREY ROGERS	900 C BOB WALLACE AVENUE P. O. BOX 2645	HUNTSVILLE	AL	35804	205-539-5899	01	1
449	ROSSVILLE MILLS, INC. NANCY HARP	P.O. BOX 40 MCFARLANE AVENUE	ROSSVILLE	GA	30741	404-866-1010	01	F
453	RUSSELL CORPORATION J.L. WILLIS	ACCOUNTS PAYABLE Q.C. LAB	ALEXANDER CITY	AL	35010-0272	205-329-4000	01	
325	S E E INC.	P.O. BOX 623	BAYOU LA BATRE	AL	36509		01	
327	S.T.O.P., INC. BOBBY HAMPTON	5302-B HALLS MILL ROAD	MOBILE	AL	36509	661-1256	01	
328	SANCO PRODUCTS	P.O. BOX 1027	ATMORE	AL	36504		01	
329	SCARCLIFF TV SALES/SERVICE	393 AZALEA RD	MOBILE	AL	36609	344-3641	01	
330	SCHLUMBERGER WELL SERVICE	3104 LEES LANE	MOBILE	AL	36619	660-0035	01	
333	SCOTT PAPER CO CHARLOTTE J. EXT. 2590	P.O. 2447	MOBILE	AL	36652	456-9060	01	
605	SEARS L.L. LONG	SINGING RIVER MALL U.S. HWY 90	GAUTIER	MS	39567	601-497-0222	20	
470	SEARS	1000 MOBILE ROAD	MOBILE	AL	36607	470-0771	01	

478 SEARS SERVICE
BILL CHASE

3484 MOFFAT ROAD

MOBILE

AL 36607

479-0561

01

SPECTRONICS, INC.
CUST # NAME CONTACT
ADDRESS 1
ADDRESS 2
CITY
STATE ZIP
DATE- 7/02/90 REF# AR-05-07
TIME-11:28:25 PAGE 0023
PHONE # SLWN CUST
TYPE

ALPHA BETA I C A L C U S T O M E R L I S T

422 SECURITY ELECTRONICS, INC.
WINNIE A. CROWDER

43 LAKESHORE DRIVE

DAPHNE

AL 36526

01

335 SECURITY EQUIPMENT INC.
KAREN

12748 HUTSON DR.

MOBILE

AL 36609

01

336 SELLS PUMP SERVICE INC.

P.O. BOX 816

SENNES

AL 36575

01

5943 SHELTON ENTERPRISES

5818 SHOW BIZ PIZZA
MILTON FOX

710 DOWNTOWN LOOP

MOBILE

AL 36609

00 4

484 SINGING RIVER ELECT. PUR ASSOC

HIGHWAY 63 SOUTH

LUCEDALE

MS 39542

01

340 SIPCO

1224 HUTSON DRIVE

MOBILE

AL 36609

01

5849 SJ WELLS

751 LAKESIDE DR

MOBILE

AL 36609

00 4

530 SMITH SERVICES OF ALABAMA, INC.
ED HINES

ROUTE 298-1
CUMBERLAND INDUSTRIAL PARK

BLUEFIELD

WV 24781

00 1

533 SOFTWARE TECHNOLOGY, INC.

3763 AIRPORT BLVD.

MOBILE

AL 36608

20 1

5086 SONITROL
GUS WALLEN

13 UPHAM ST

MOBILE

AL 36607

00 4

528 SONOCO FIBRE DRUM
HAROLD BETTY

200 JACINTOPORT BLVD.

SARALAND

AL 36571

59 9

588 SONY MAGNETICS PRODUCTS, INC.
JEAN

ATTN: "ACCOUNTS PAYABLE"
HWY 84 WEST

DOTHAN

AL 36381-6399

205-793-7655 10 9

5115 SOUND ASSOCIATES
LAYTON

912 BUTLER DR

MOBILE

AL 36609

00 4

341 SOUTH CENTRAL BELL

928 BUTLER DRIVE

MOBILE

AL 36609

01

334 SOUTHEAST COLLEGE OF TECH.
LIZ FORBIS

P.O. BOX 9668

MOBILE

AL 36691

343-8200 01

342 SOUTHEASTERN ELECTRONICS
JEAN

P.O. BOX 597

PASADENA

MS 39567

681-762-1069 01

488 SOUTHERN AVIONICS & COMM. INC.
NITA LANCASTER

P.O. BOX 88043
BLDG. 32-EAST RAMP BATES FIELD

MOBILE

AL 36608

633-4439 01

EXHIBIT 4

CUST #	NAME	CONTACT	ADDRESS 1	ADDRESS 2	CITY	ST	ZIP	PHONE #	DATE- 7/02/90	REF# AR-05-07	TIME-11:28:25	PAGE 0024	STLN	CUST	TYPE
343	SPECTRONICS, INC.														
5122	SOUTHERN ELECTRIC		P.O. BOX 7985		MOBILE	AL	36607	479-6000							01
5122	SOUTHERN SCALE		725 LAKESIDE DR W		MOBILE	AL	36609	666-5681							00
	DENNIS STRICKLAND														4
5073	SOUTHERN SCALES		725 LAKESIDE DR W		MOBILE	AL	36609	666-5682							00
	KEVIN THOMPSON														4
347	SOUTHWEST STATE TECHNICAL INST		925 DAUPHIN ISLAND PARKWAY		MOBILE	AL	36605	479-7476							01
	DAWN WOFFIT														
566	SPARTAN FOOD SYSTEMS, INC.		CONSTRUCTION DIVISION		SPARTANBURG	SC	29304	800-633-110							01
			P.O. BOX 3168												
463	SPRINGHILL LIGHTING & SUPPLY		P.O. BOX 8345		MOBILE	AL	36607	205-471-1444							01
	JANIE HALLIBURTON		212 NORTH BELTLINE HIGHWAY												
516	SPRINGHILL MEMORIAL HOSPITAL		3719 DAUPHIN ST.		MOBILE	AL	36608	460-5230							10
	PHYLIS		P.O. BOX 8246												11
541	ST. JOE FOREST PRODUCTS COMPANY		P.O. BOX 150		PORT ST. JOE	FL	32456	904-227-1171							70
															9
350	STACY BUILDING MATL/HW CENTER		P O BOX 9037		MOBILE	AL	36691	661-6657							01
	NANCY DUNN														
351	STANDARD EQUIPMENT COMPANY INC		P O BOX G		MOBILE	AL	36601	205-432-1705							01
			75 BEAUREGARD STREET												
511	STANDARD FURNITURE MFG.CO.,INC		P.O. BOX 1089		BAY MINETTE	AL	36507	205-397-6741							00
	TUELMA H. JAYE														13
352	STAPLETON CB SALES		P O BOX 3		STAPLETON	AL	36578								01
353	STATE DEPT OF EDUCATION PURC		STATE OFFICE BUILDING		MONTGOMERY	AL	36130								01
			ROOM 460												
355	STATE OF ALABAMA		DEPT CONSERVATION PARKS DIV		GULF SHORES	AL	36542								01
			GULF STATE PARK												
5051	STEVE LEVI		115 PINEBROOK WEST		MOBILE	AL	36508	342-6477							00
															4
356	STEVE'S RADIO & TV SHOP		1489 SOUTH ALABAMA AVENUE		MONROEVILLE	AL	36460								01
547	STEWART & STEVENSON SERV.,INC.		P.O. BOX 1637		HOUSTON	TX	77251-1637	713-860-7700							20
			ATTN:ACCOUNTS PAYABLE												
5005	STOKLEY		8900A GLENN ACRES DRIVE		MOBILE	AL	36608								01
															CASH
357	STOKLEY ENTERPRISES		P O BOX 14146		NORFOLK	VA	23510	804-400-2822							01
	BILL OR JANET														

EXHIBIT

4

SPECTRONIC, INC.			ALPHABETICAL CUSTOMER LIST			DATE- 7/22/90	REF# AR-05-07
CUST #	NAME	CONTACT	ADDRESS 1	CITY	ST	ZIP	TIME-11:20:25
			ADDRESS 2				PAGE 0025
						PHONE #	SIMN
							CUST
							TYPE
593	STONE CONTAINER	CAROL LOUE	101 STONE BLVD. P.O. BOX 105	CANTONMENT	FL	32533-105	904-968-1309
359	STUART C IRBY COMPANY	SUSIE	P.O. BOX 2123	MOBILE	AL	36652-2123	433-3911
443	SUPREME COURT OF ALABAMA	MORRA HUST	P.O. BOX 157 445 DEXTER AVE	MONTGOMERY	AL	36104	
360	SYN-FAB INC		7805 SCHILLINGERS PARK	MOBILE	AL	36600	
417	SYNTREX BUSINESS SYSTEMS	MARY SPENCE	820 S UNIVERSITY BLVD, STE 3K CUSTOMER SUPPORT DIVISION	MOBILE	AL	36509	343-8229
473	SYSTEM ENERGY RESOURCES	ALLISON	P.O. BOX 756	PORT GIBSON	MS	39150	601-427-2399
362	SYSTEMS & PROGRAMMING		P O BOX 100114	MOBILE	AL	36616	601-2007
451	T.J.SNOW CO.	SCHLOE	P. O. BOX 22847	CHATTANOOGA	TN	37422	615-894-6234
363	TECHNICAL SUPPORT DEPARTMENT		COLLEGE ARTS & SCIENCES USA CHEM-120	MOBILE	AL	36600	
465	TELEDYNE BROWN ENGINEERING	GINGER SEYMOUR	300 SPARKMAN DRIVE	HUNTSVILLE	AL	35807	1-726-2206
364	TELEDYNE CONTINENTAL MOTORS	HELEN BYERS EXT. 174	P O BOX 50	MOBILE	AL	36601	430-3411
464	TELESCRIPPS CABLE	MARK HALEY	P.O. BOX 303	CHATTANOOGA	TN	37401	615-756-3700
430	TEMPACO, INC.	HANK CARR	P.O. BOX 547667	ORLANDO	FL	32854-7667	
446	TEXTRON DIV./BELL AEROSPACE	MIKE SMITH EXT. 32	6000 PLAZA DRIVE ACCOUNTS PAYABLE	NEW ORLEANS	LA	70127	904-234-2292
365	THE MERRICK CORPORATION	SHELLY WALSH	10 ARTHUR DRIVE	LYNN HAVEN	FL	32444	904-265-3611
366	THOMAS HOSPITAL		P.O. BOX 929 950 MURPHY AVE.	FAIRHOPE	AL	36533	
459	THOMPSON TRACTOR COMPANY, INC.	WALTER D. DICKSON	2401 PINSON HIGHWAY 2401 PINSON HIGHWAY	BIRMINGHAM	AL	35202-0367	205-841-8001
5074	TIMOTHY MEALE TOUCHTON		5575SPRINGER CT	THEODORE	AL	36582	460-9215
502	TODD PACIFIC SHIPYARDS CORP.	K. WOOD-CHIEF ACCOUNT	P.O. BOX 3006	SEATTLE	WA	98124	206-623-1635

SPECTRONICS, INC.

ALPHABETICAL CUSTOMER LIST

DATE- 7/02/90 REF# AR-05-07

TIME-11:28:25 PAGE 0026

CUST #	NAME CONTACT	ADDRESS 1 ADDRESS 2	CITY	ST	ZIP	PHONE #	SLMN #	CUST TYPE
5025	TONY BOELLNER	3124 RAVENWOOD TOLEDO,	TOLEDO	OH	43614		70	4
5026	TOP MUSIC INC. JERRY THOMAS	3656 GOVERNMENT BLVD	MOBILE	AL	36693	661-2020	20	4
5011	TROUGHTON, R. KELLY	3661 AIRPORT BLVD.	MOBILE	AL	36608	439-0077	80	
5136	TROUGHTON, R. KELLY	PO BOX 850361	MOBILE	AL	36685	439-0077	80	4
5045	TROY RAINS	2416 HILLSBOROUGH RD	NASHVILLE	TN	37109	615-385-4500	80	4
535	TUFTCO CORPORATION	P.O. BOX 3009	CHATTANOOGA	TN	37404	615-698-0601	20	
371	TURNER SUPPLY	P.O. BOX 1420	MOBILE	AL	36633		01	
521	TVA	ACCTS. PAYABLE DEPT. P.O. BOX 15500	KNOXVILLE	TN	37901-5500	615-751-5029	20	
527	TYNDALL AFB	ACCOUNTING AND FINANCE OFFICE BLDG 562/ACFM/40	TYNDALL AFB	FL	32403-5250	904-283-2934	20	12
496	U.S. POSTAL SERVICE	250 ST. JOSEPH ST.	MOBILE	AL	36601-9702	694-5928	01	8
372	U.S. ARMY ENGINEER DISTRICT BETTY	P.O. BOX 2200 ATTN: FINANCE & ACCOUNTING DEPT	MOBILE	AL	36602-0001	694-3619	01	
483	U.S. STEEL-FAIRFIELD WORKS JIM	ATTN: ACCOUNTS PAYABLE P.O. BOX 599	FAIRFIELD	AL	35064	1-783-4320	01	
470	UNDERWATER DEVELOPMENT TECH.	2304 GRANT AVE.	PANAMA CITY	FL	32405	904-704-0537	01	
502	UNION CARBIDE IND. GASES INC. BILLY	P.O. BOX 1099	THEODORE	AL	36590	653-8241	01	9
542	UNION EXPLORATION PARTNERS, LT	P.O. BOX 160620	MOBILE	AL	36616	460-0760	20	1000
551	UNITED GAS PIPELINE GUEN ADAMS	3350 SUNCREST RD.	EIGHT MILE	AL	36613	052-2062	50	14
501	UNITED PARCEL SERVICE CO.	P.O. BOX 36307	LOUISVILLE	KY	40233	502-423-3700	20	
376	UNIVERSITY OF SOUTH ALABAMA KAREN	ACCOUNTS PAYABLE DEPT 307 UNIVERSITY BLVD.	MOBILE	AL	36608	460-7098	01	
285	USA MEDICAL CENTER DELLA	2451 FILLINGIM STREET	MOBILE	AL	36617	434-3535	01	

DATE- 7/02/90 REF# AR-05-07

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1 3686 01

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1 07007 201-000-4769 01

SPECTRONICS, INC.

CUST # NAME CONTACT

442 WILSON ELECTRIC CO.
RITA

388 WKS TV & RADIO

389 WKSJ RADIO

5839 WMML AM/FM
BILL PHILLIPS

586 WOOD ELECTRICAL CONTRACTORS
G.R. WOOD, III

448 WOODBRIDGE FOAM FABRICATING IN
DIANE STOTTS

457 WPGX-TV 28
CATHY HARRIS

391 WPXI TV

488 WYLE LABORATORIES

483 YOUNG & VANN SUPPLY CO.

528 YOUNG ENGINEERING COMPANY, INC

524 CUSTOMERS ON FILE

ALPHABETICAL CUSTOMER LIST

DATE-7/02/90 REF# AR-05-07
TIME-11:28:25 PAGE 0020 CUST
ST ZIP PHONE # SLNN TYPE

AL 36807 479-9431 01

AL 36516 01

AL 36609 01

AL 36640-0107 205-430-4515 20 4

AL 36633 476-8000 00 3

TN 37401 615-622-8325 01 F

FL 32405 904-704-0020 01

AL 36652 01

AL 35807 205-837-4411 01

AL 35201 800-292-4037 01

LA 70150 504-581-6292 10 6

MOBILE

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MOBILE

CHATTANOOGA

PANAMA CITY

MOBILE

HUNTSVILLE

BYRNINGHAM

NEW ORLEANS

ADDRESS 1
ADDRESS 2

P.O. BOX 7552
32 TACON STREET

P.O. BOX 160507

917 WESTERN AMERICA CIRCLE
SUITE 500

P O BOX 401871

2050 MILL STREET
P. O. BOX 1045

P. O. BOX 509

700 W. 23RD STREET, SUITE 28

P.O. BOX 2766

7000 GOVERNORS DRIVE WEST

P.O. BOX 757

P.O. BOX 50327

7-3-90

- 1) NRC Took Many More Copies Than They Said
- 2) JMS Doing bills yesterday, They took one original they did not mention
- 3) When they arrived the did not mention the subpoena until 'After' the questioned me 3 hours. Then pressured me to let them do records when I asked them to make an appointment.
- 4) Arab made copies Thursday while they were talking to employees. No receipt for these copies.
- 5) After looking at records Wed. Then it seemed they were questioning

B/52

Relax

employees solely about Counting
units. They found no paperwork
to indicate we had sold to
Neliann Plant.

6. Who were they working for???

7. RFB Dist was telling us to
convert.
Good Reason??