

SERVICE SECTION

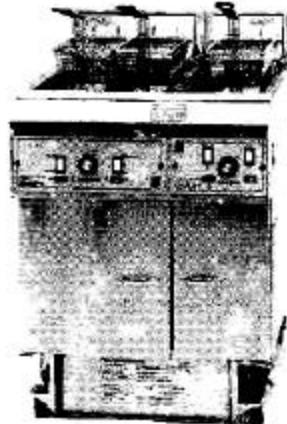
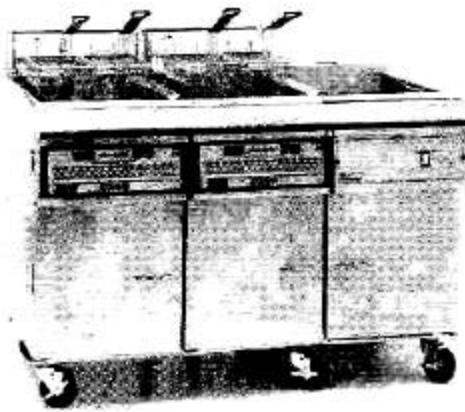


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Chapter 4: Service

This chapter provides the qualified technician with the replacement and troubleshooting procedures necessary to service the Pitco fryer.

4.1 REPLACEMENT PROCEDURES

These procedures are provided to the qualified technician as a guide to removal and replacement of various fryer components. If a test is required to verify component operation after installation, it will be referenced.

WARNING

To prevent burns, always ensure the fryer is completely SHUT DOWN and COOLED down before working on the fryer. Do not break any fryer gas connections while the unit is connected to a gas supply line.

WARNING

The power supply must be disconnected before servicing or cleaning the appliance.

4.1.1 Heating Element Removal and Replacement

Replacing a heating element is a complex and time consuming procedure. Ensure that you have tested the heating elements to determine that the element is bad and not something else.

- a. Move the fryer out to gain access to the rear panels. Remove the upper small access cover and the large lower access cover.
- b. The terminal block for the heating elements is located behind the lower access plate. Tag the connections with wire markers for easy reinstallation, and remove the wires. The temperature probe wires are not connected through the terminal board. To disconnect the temperature probe, remove the small access plate on top of the pivot box (plate opposite High Limit switch). The connector for the probe is inside the pivot box. Disconnect the probe at this connector and gently pull the wire out of the pivot box.
- c. Disconnect the spring assembly from the pivot box by raising the elements and holding them in place with a board across the tank. Do not use the element bracket to hold the elements up.
- d. Next remove the pivot box assembly by removing the screws that attach the pivot box hinges to the fryer. The heating elements will need to be raised to gain access to the screw heads. Support the heating element assembly before removing the screws. Removing the hinge screws frees the heating element assembly from the fryer.

- e. Once free of the fryer, set the element assembly aside. Remove the access plate on the back of the pivot box to gain access to the heating element connectors. Disconnect the wire for the defective element.
- f. Loosen the nuts that attach the heating element to the pivot box. Slide the heating element out of the pivot box.
- g. Install the new heating element by reversing this procedure.

4.1.2 Backup Thermostat Replacement - Computer Models Only

Only fryers that have computer controls have this backup thermostat. If your fryer does not have a computer but does have a thermostat behind the door, this is a thermostat behind the door model. That means that the knob behind the door controls the solid state temperature module behind the fryer's control panel (front bezel). The backup thermostat includes the temperature adjustment knob, temperature sensor inside the fryer tank, and connecting capillary tubing. The high limit controls also has a temperature sensor in the fryer tank, so ensure you are removing the correct temperature sensor.

CAUTION

Thermostat capillary tubing is very delicate. Be VERY CAREFUL when working with the capillary tubing. If the tubing is kinked or broken the thermostat is no longer usable.

- a. Drain the oil from the fryer. The thermostat probe (heat sensor) is clamped to the heating element assembly inside the tank. Unscrew and remove the two screws in the thermostat probe clamp.
- b. Remove the thermostat probe from the clamp and straighten the capillary tubing. Unscrew the small hex nut inside the cabinet under the tank for the thermostat control.
- c. Unscrew the large connector nut from the fryer tank and pull the thermostat probe and capillary tubes through the opening.
- d. Pull the knob off of the thermostat. Remove the entrance box cover to gain access to the thermostat.
- e. Mark and disconnect the wires from the thermostat terminals.
- f. Remove the two screws that hold the thermostat to the inside of the entrance box. Remove the defective thermostat control unit from the fryer.
- g. Install the new thermostat in reverse order. Remember to be careful with the capillary tubes.

- h. Use pipe joint compound on the large fitting before installing to prevent oil leakage. DO NOT use joint compound on the small nut.
- i. Perform the calibration procedures detailed in section 1.5.3.

4.1.3 Calibrating the Thermostat - Computer Models Only

To calibrate this thermostat the dial must be removed from the shaft. The adjustment for the thermostat is inside the dial shaft.

- a. To calibrate the thermostat you must first cause the computer to switch control to the backup thermostat. To do this, remove the computer from the front panel and disconnect the connector from the computer. The transfer relay will de-energize and temperature control will shift to the backup thermostat.
- b. Place the tip of a high accuracy thermometer in the shortening approximately 1" above the temperature sensor.
- c. Set the thermostat dial to 325°F and turn the fryer on.
- d. Remove the thermostat dial by pulling the knob straight out. DO NOT rotate the dial.
- e. Hold the outside of the shaft so it does not move. Use the tip of a small, flat tip screw driver to scrape away the sealing compound from the adjustment screw. Turn the adjustment screw clockwise to lower the temperature setting, and counterclockwise to raise the temperature. One quarter turn will change the temperature approximately 25°F.
- f. Turn the adjustment until the heating elements turn off at 325°F. Replace the knob and allow the fryer to cycle 4 to 6 times. Check the temperature of the thermometer against the thermostat dial, if it is greater than 5°F repeat the calibration procedure.
- g. When the calibration is correct, remove the thermometer.

4.2 TESTING CONTACTORS (RELAYS)

Contactors and relays use a control voltage to energize the electromagnet and close a set of contacts. The control voltage is applied to a solenoid-type coil. When measuring a coil's resistance, ensure that you have disconnected it from the fryer's electrical system. This will ensure that you are measuring the coil's resistance and not a portion of the fryer's wiring. When measured with an OHM meter these coils should have a very low resistance, less than 100 ohms. Measure each of the contactors that are suspect. If any relay or contactor indicates an open circuit or high amount of resistance, replace the coil.

Have a very low resistance, less than 100 ohms. Measure each of the contractors that are suspect. If any relay or contractors indicates an open circuit or high amount of resistance, replace the coil.

4.3 TESTING HEATING ELEMENTS

To check a heating element first place the OFF-ON-START switch in OFF. Check the elements by performing the following:

- a. The terminal block that connects the heating elements to the fryer is located behind the large rear access panel. Move the fryer out and remove the access panel.
- b. Using an OHM meter check continuity from one end of the element to the other. The reading should be very low (a few ohms). If the element indicates an open circuit, replace the element.
- c. Next check from the hot side of the element to ground. It should be infinite, if it is not replace the element.

4.4 TESTING THE TEMPERATURE SETTING POTENTIOMETERS

The temperature setting potentiometer is a variable resistors. To test the potentiometer ensure that the OFF-ON-START switch is OFF and perform the following:

- a. For thermostat knobs mounted on the front of the fryer, remove the front bezel to gain access to the back of the potentiometer. If the fryer has the thermostat knob mounted behind the door (in the entrance box), remove the entrance box cover to gain access to the back of the potentiometer.
- b. Disconnect P 10 from J 10.
- c. Connect an ohm-meter to pin 3 (yellow wire) and pin 1 (violet wire) and rotate the temperature control knob. The resistance should vary from 0 to 900 ohms.
- b. Connect the ohm-meter between pin 3 (yellow wire) and pin 5 (orange wire) and rotate the knob. The resistance should again vary from 0 to 900 ohms. If the resistance is not within the ranges specified replace the temperature setting potentiometer.

4.5 TESTING THE TEMPERATURE CONTROL MODULES

The temperature control module receives 24 VAC when the OFF-ON-START switch is ON. To test the temperature control module perform the following:

- a. The temperature control module is located behind the front bezel. Remove the two screws that hold the bezel in place and move out of the way.
- b. Place the OFF-ON-START switch in ON and the Melt switch in OFF. This will apply 24 VAC to pin 1 (black wire) with pin 3 as the common (white wire) of the temperature control module.

- c. Set the temperature setting potentiometer to a temperature above the shortening's current temperature. This will cause the temperature control module to close and pass 24 VAC to pin 12 (gray wire) of the control module.
- d. Check the temperature probe as described in section 4.6.
- e. If the temperature probe test passes and there is not 24 VDC present on pin 12 of the control module, replace the temperature control module.

4.6 TESTING THE TEMPERATURE PROBE

WARNING

All power supplies must be disconnected before servicing the appliances. Some appliances have more than one power supply. Make sure they are ALL disconnected.

The temperature probe is a special type of resistor called a thermistor. Check the temperature probe by performing the following:

- a. Gain access to the temperature probe connection by removing the front panel. Disconnect P10 and check the resistance of the probe at pins 2 & 4 of PI 0.
- b. Place the OFF-ON-START switch in OFF. Use an ohm-meter to measure the resistance across the probe. It should be about 100K ohms at room temperature (72°F, 22°C). If the probe indicates an open or more than 200 ohms away from 100K ohms, replace the probe.
- c. Re-install the probe wires and turn on the fryer. Start the fryer and raise the shortening temperature to normal cooking temperature, approximately 350°F.
- d. Unplug the temperature probe and measure the resistance again. It should read approximately 923.8 ohms \pm 10 ohms. If the resistance is different by more than 10 ohms, replace the temperature probe.

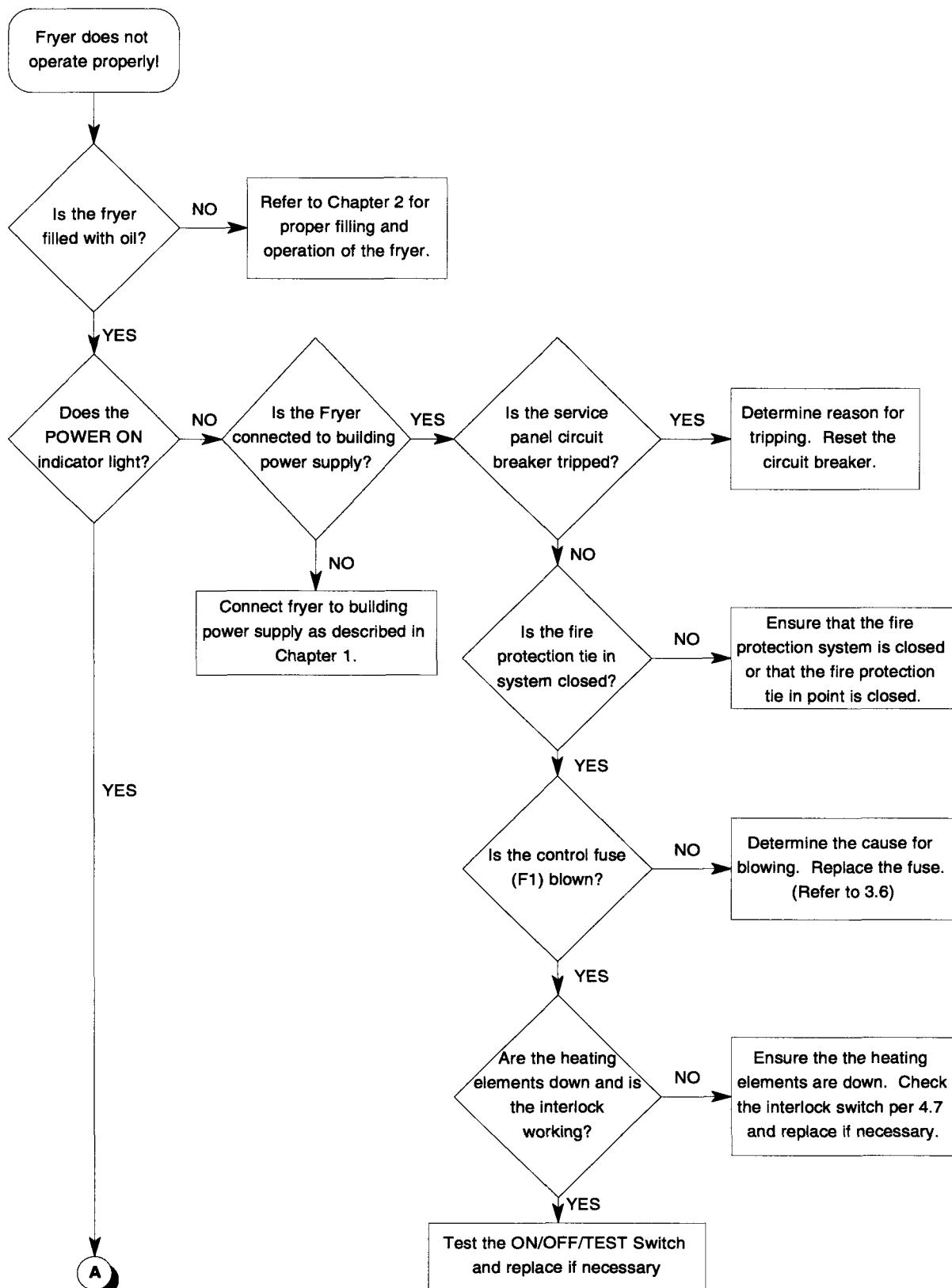
4.7 TESTING THE HEATING ELEMENT INTERLOCK

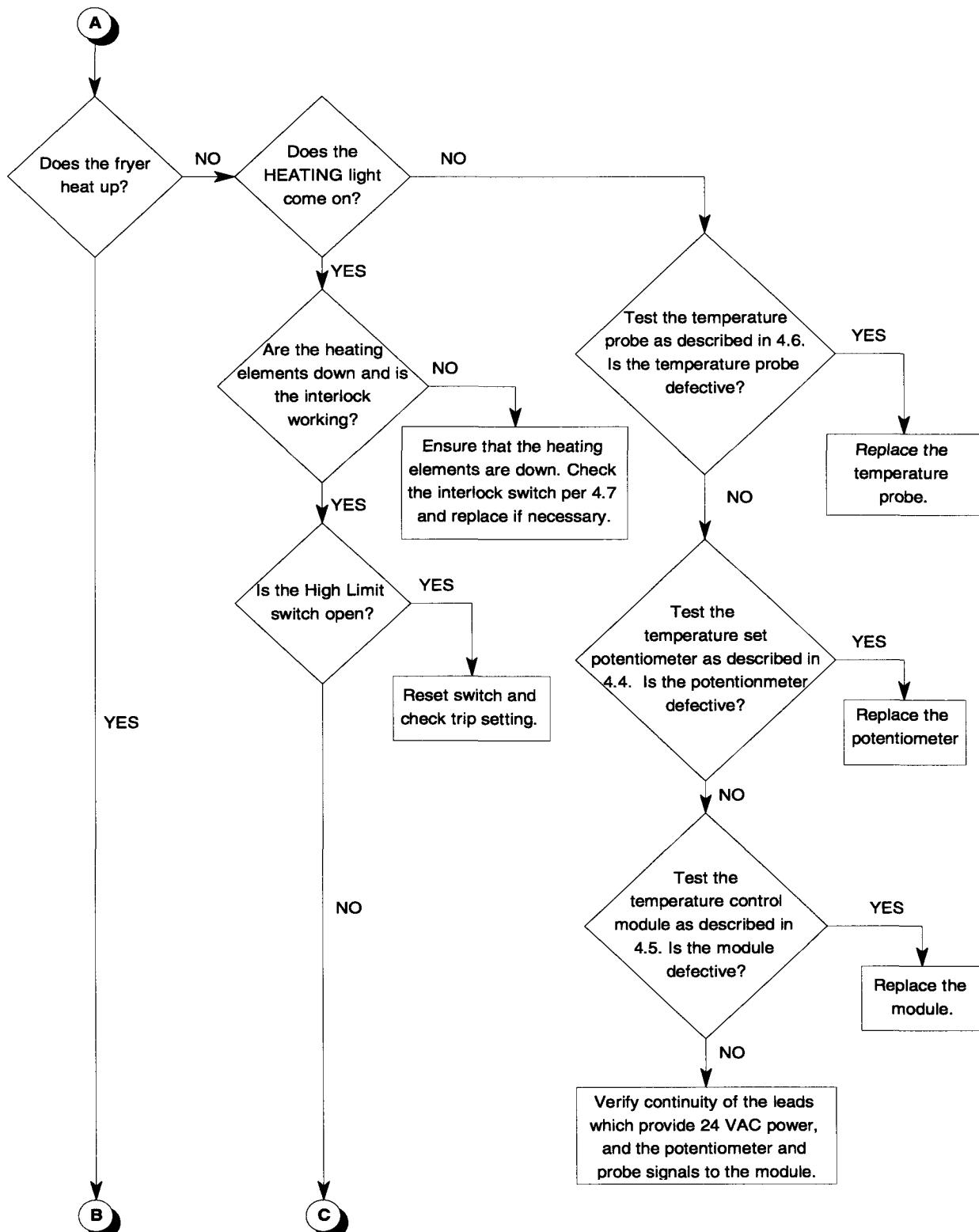
The heating elements are protected from accidental over heating, due to lifting them out of the oil while unit is **ON**, by an interlock limit switch. The switch is located on the right side (opposite the High Limit switch) of the heating element pivot box.

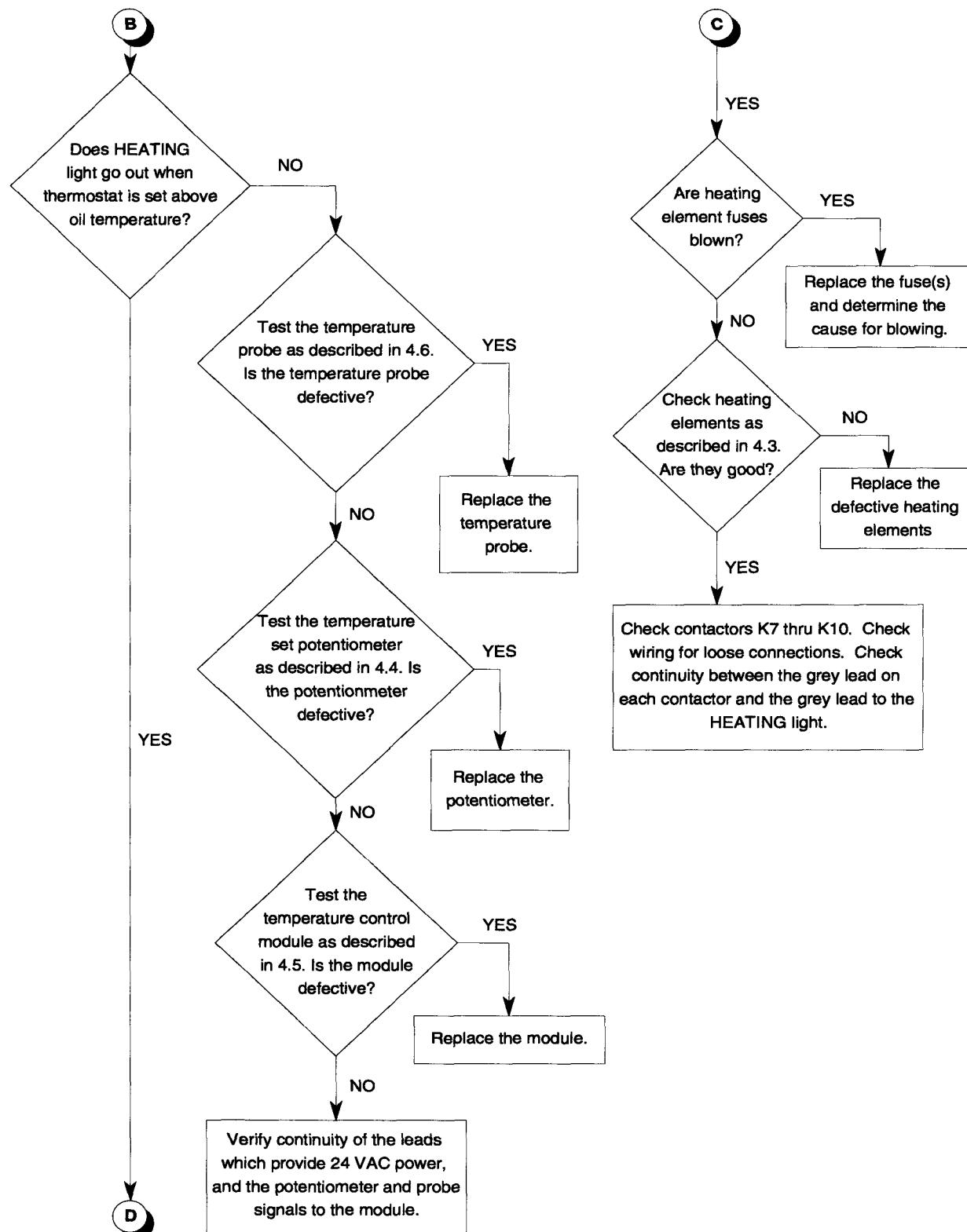
- a. This test requires that you gain access to the back of the interlock switch. Remove the four screws from the small access plate on the top, right of the pivot box. Gently move the wiring harness to the side to expose the wiring terminal of the interlock switch.

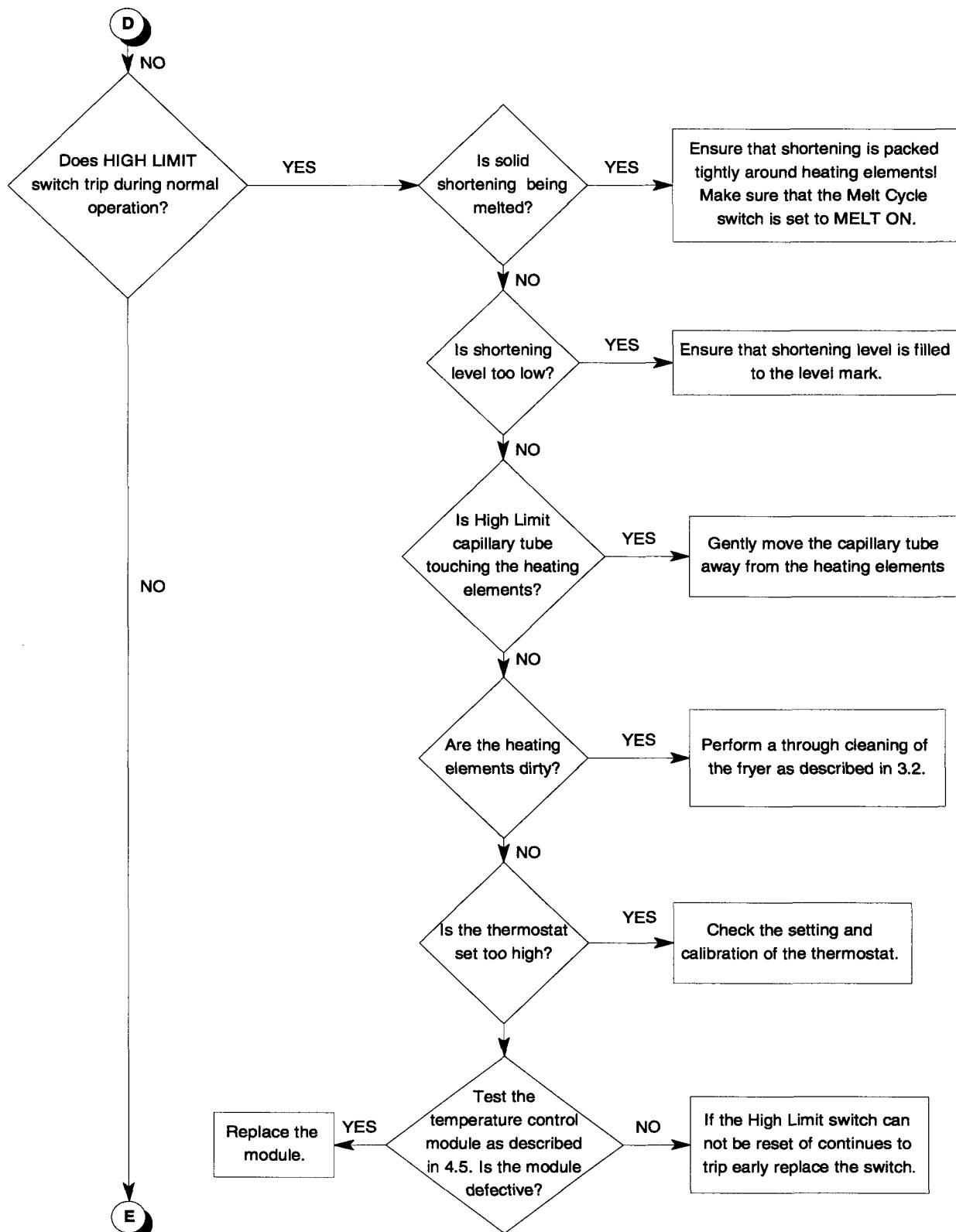
- b. Connect an ohm-meter across the switch terminals to measure the resistance across the limit switch connection.
- c. When the elements are down in the tank the interlock switch is closed and the resistance across the switch will be zero.
- d. Lift the element rack up while continuing to measure the resistance across the switch. The rack only needs to be lifted a short distance to open the switch. A click should be heard when the switch opens. The resistance will go up significantly when the switch opens. The resistance will not be infinite unless the switch wires are disconnected. If there is any doubt about the resistance, remove the wires and check the resistance. With the wires removed the resistance will be infinite.

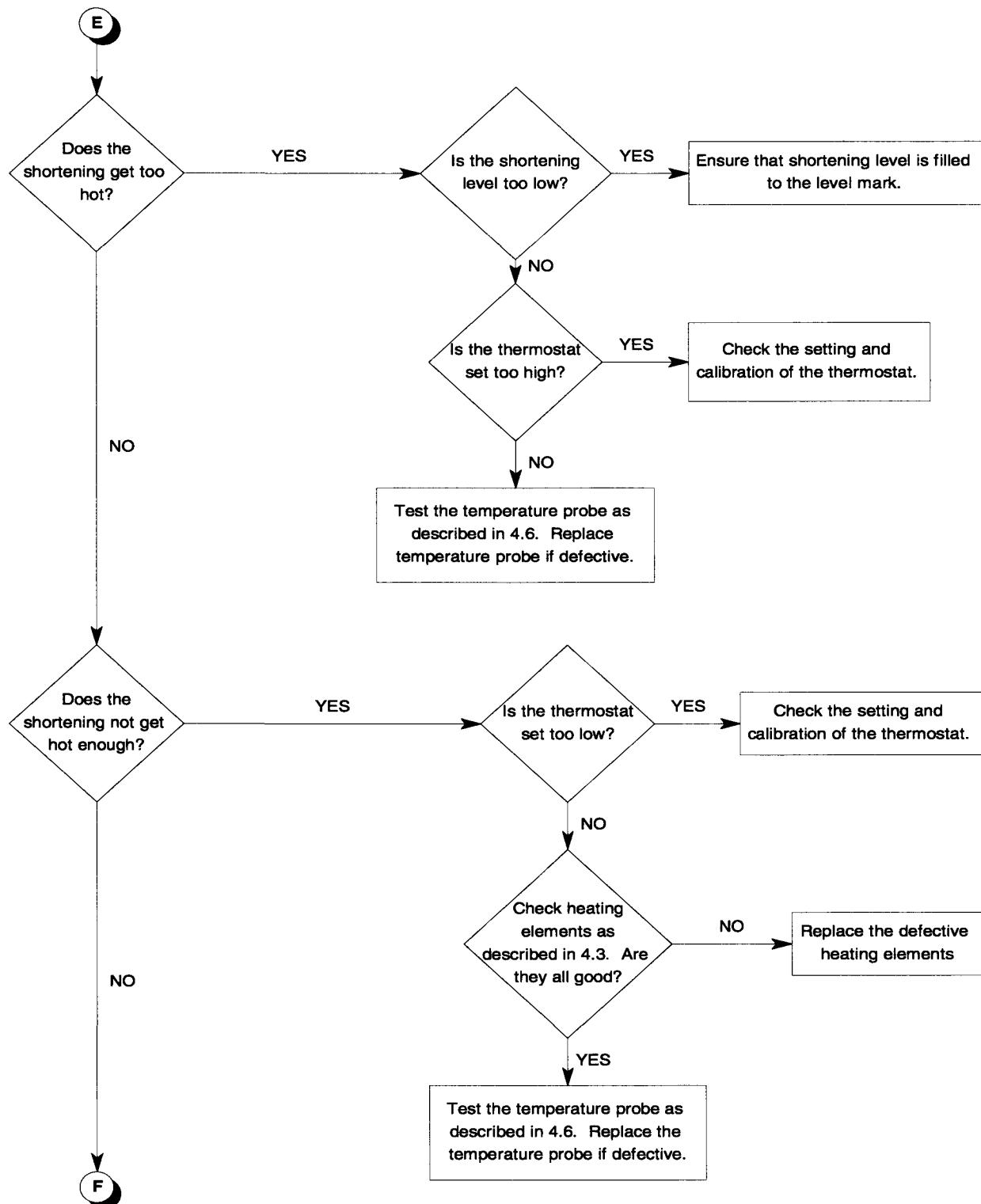
4.8 TROUBLESHOOTING FRYERS WITHOUT COMPUTERS

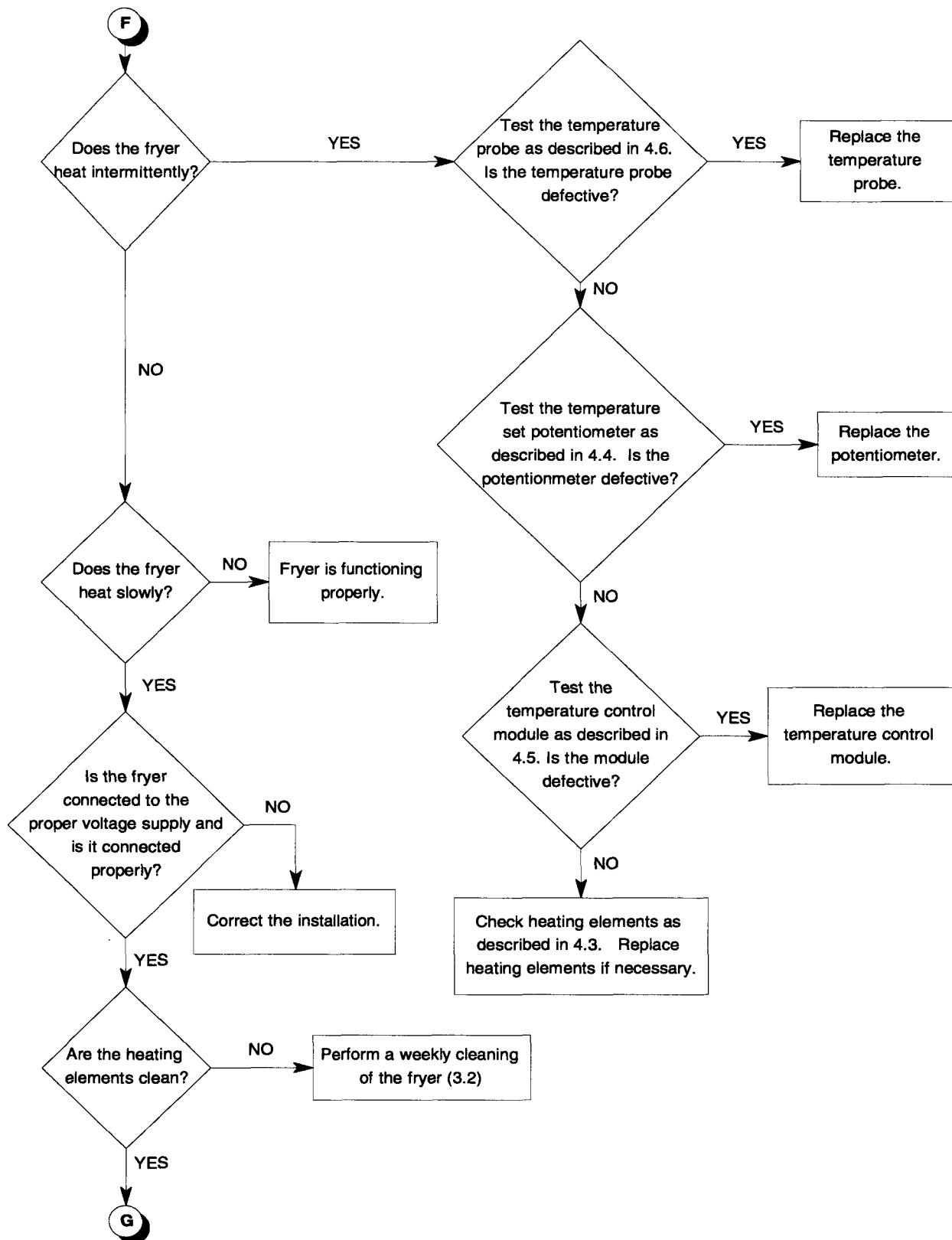


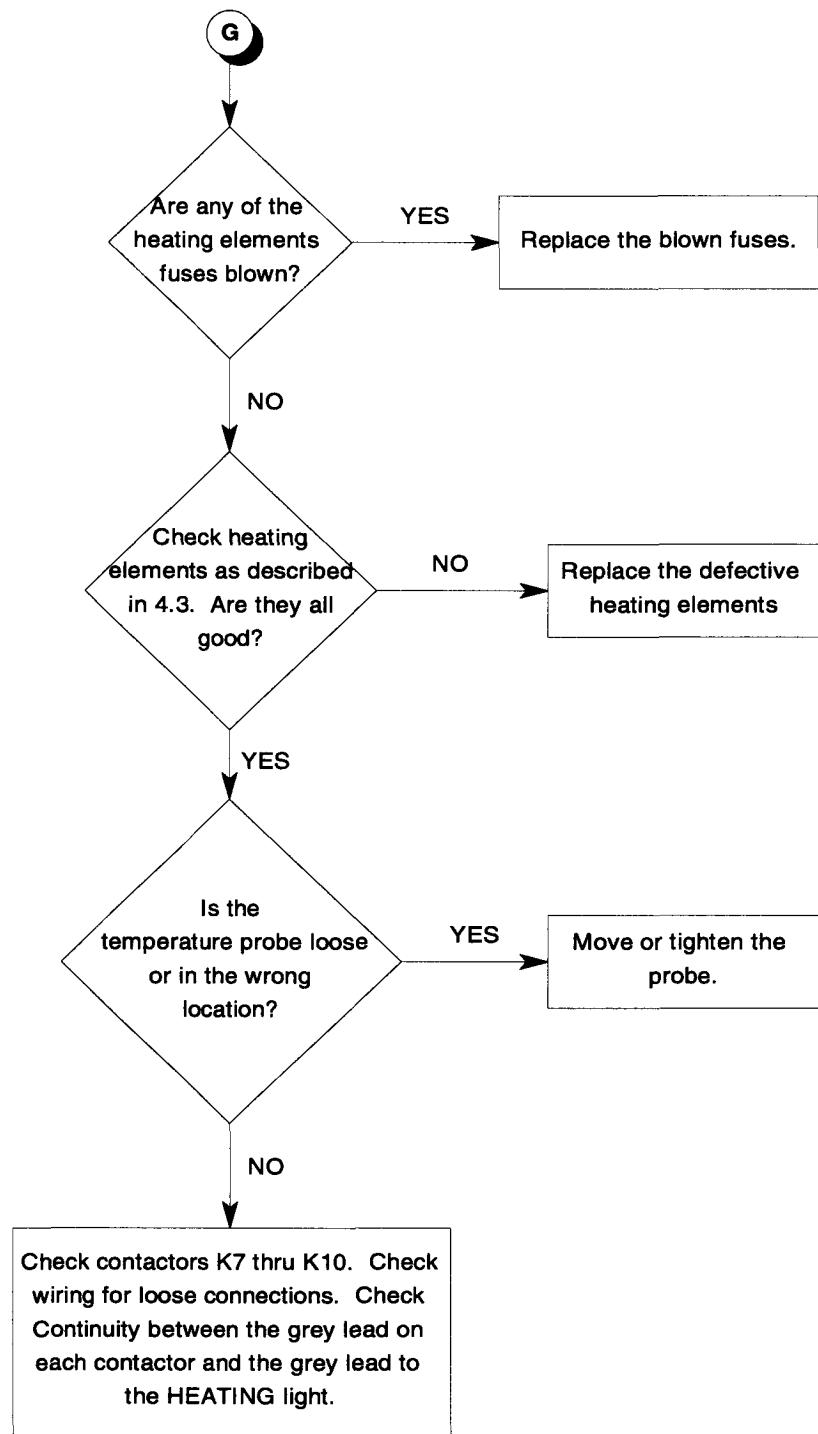




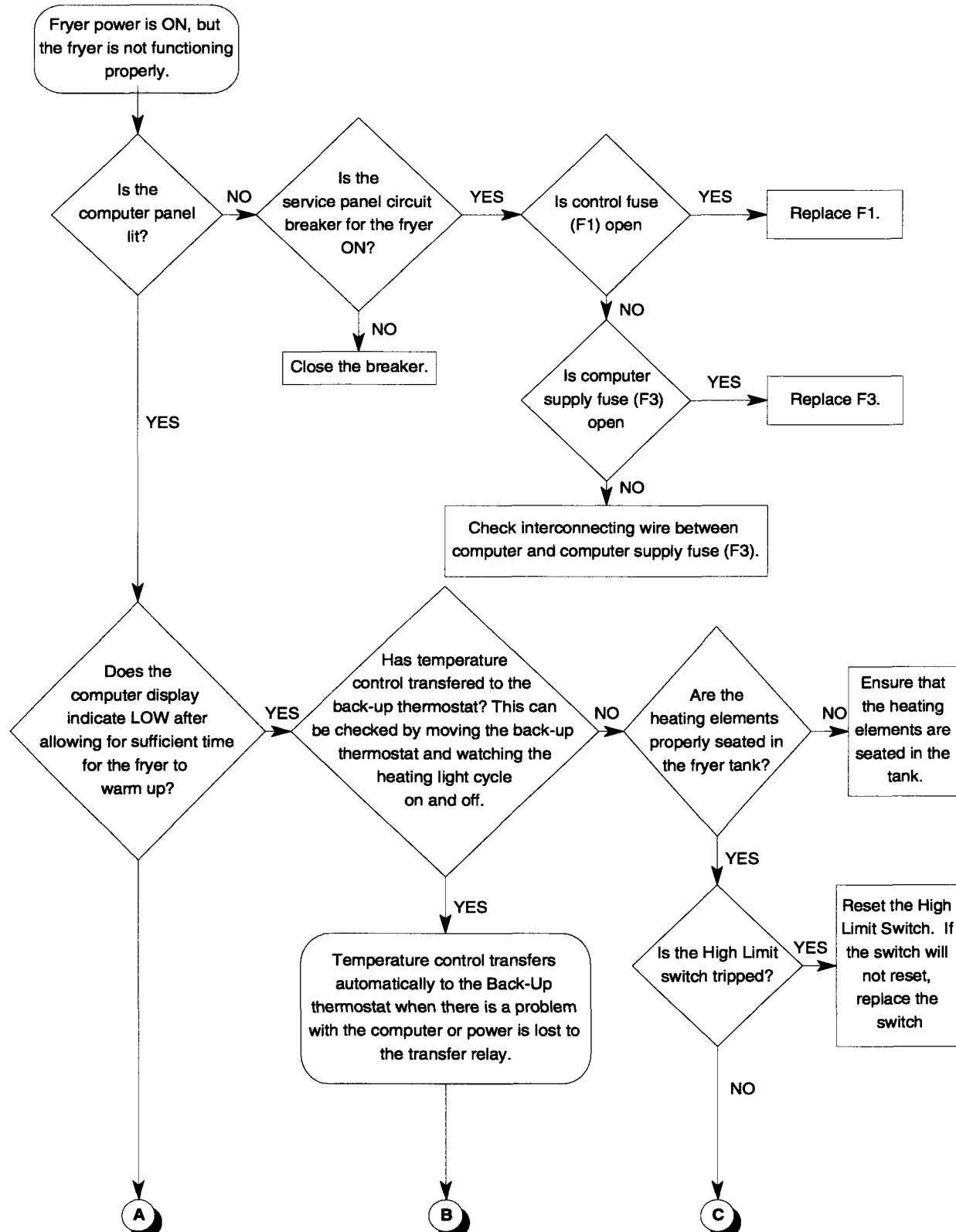


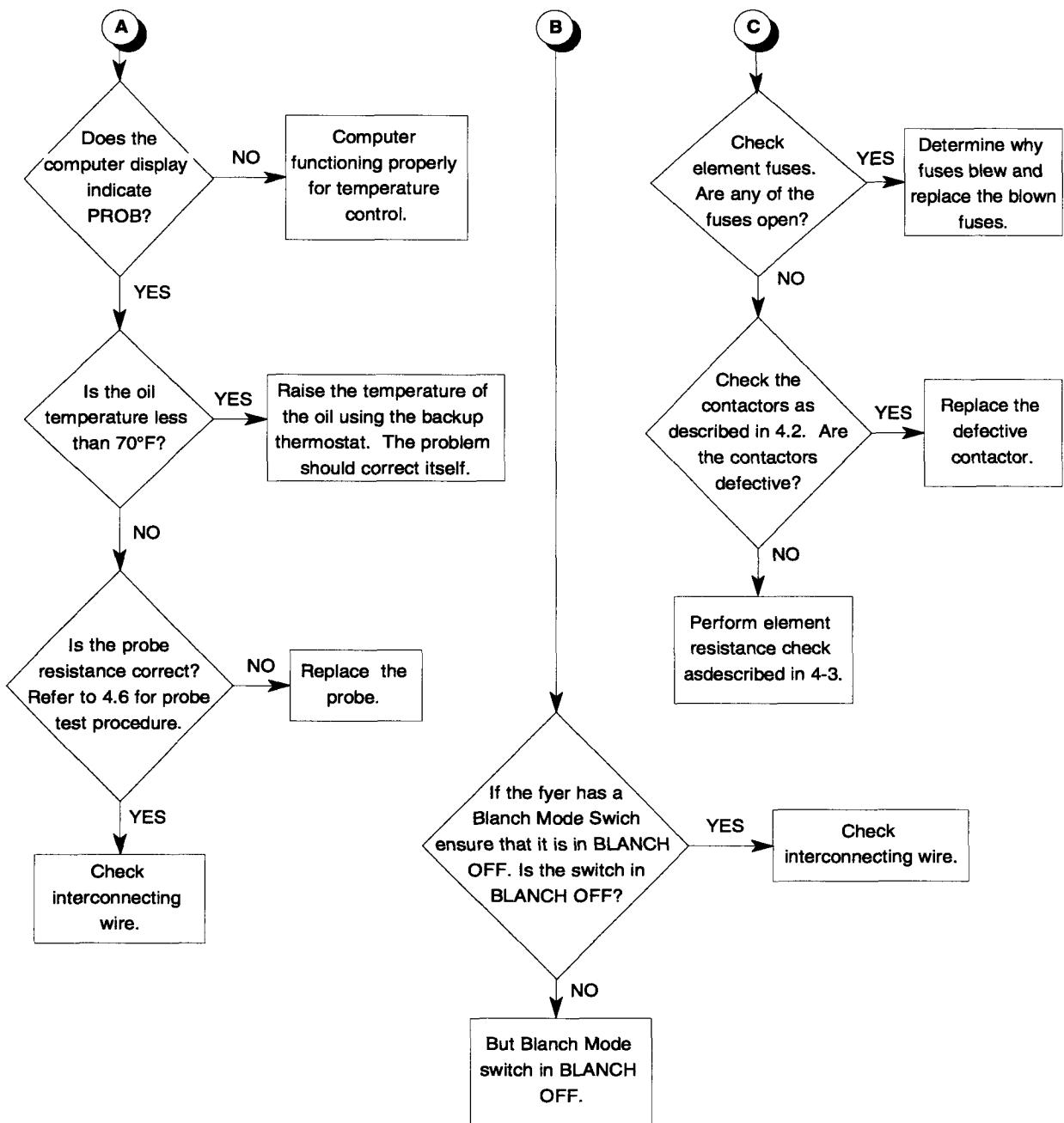




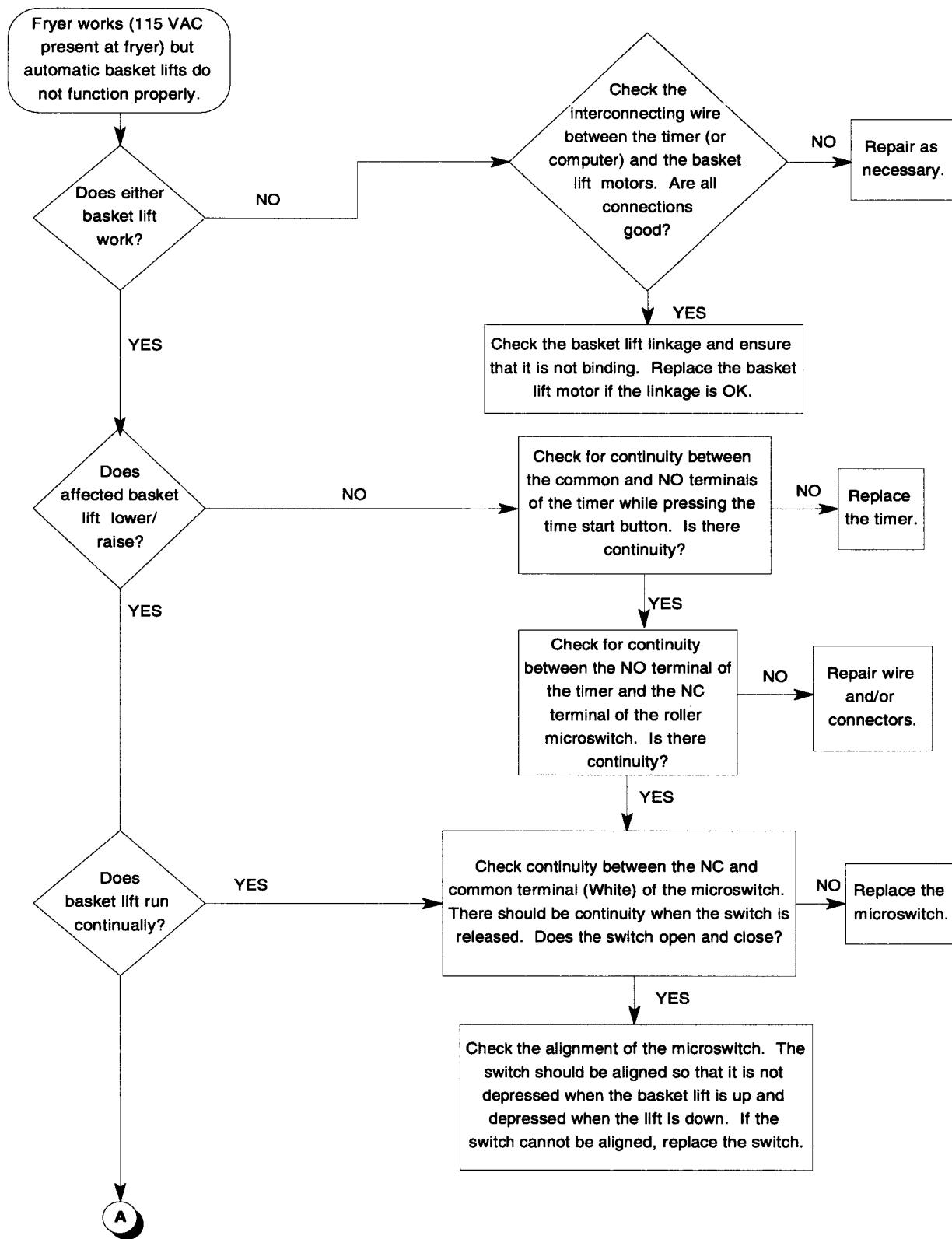


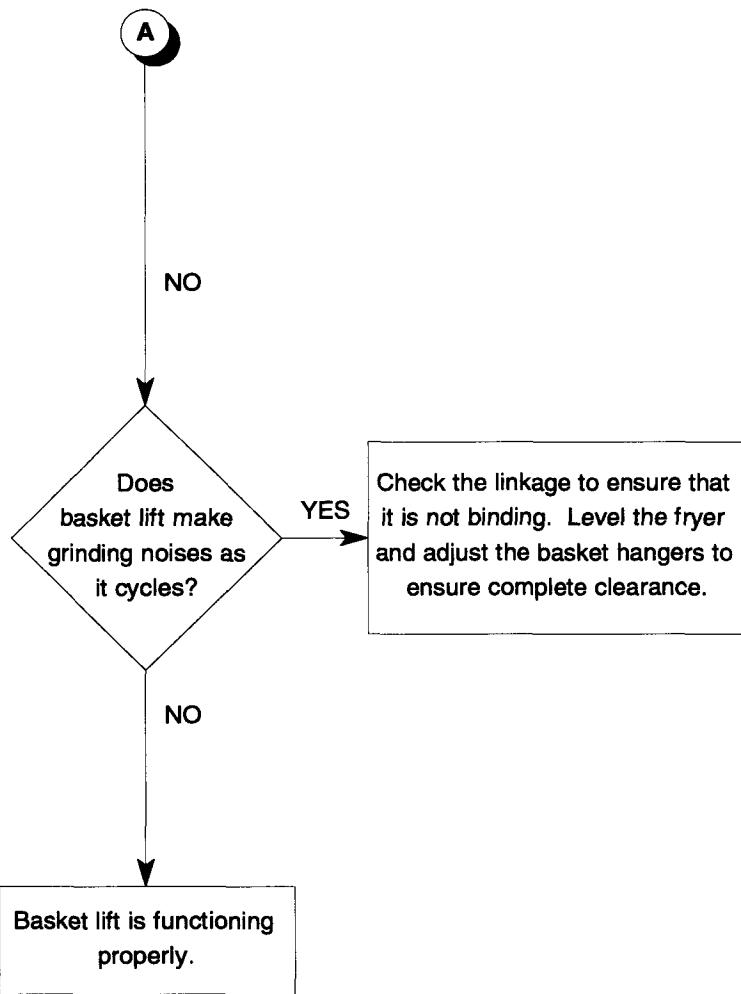
4.9 TROUBLESHOOTING FRYERS WITH COMPUTERS



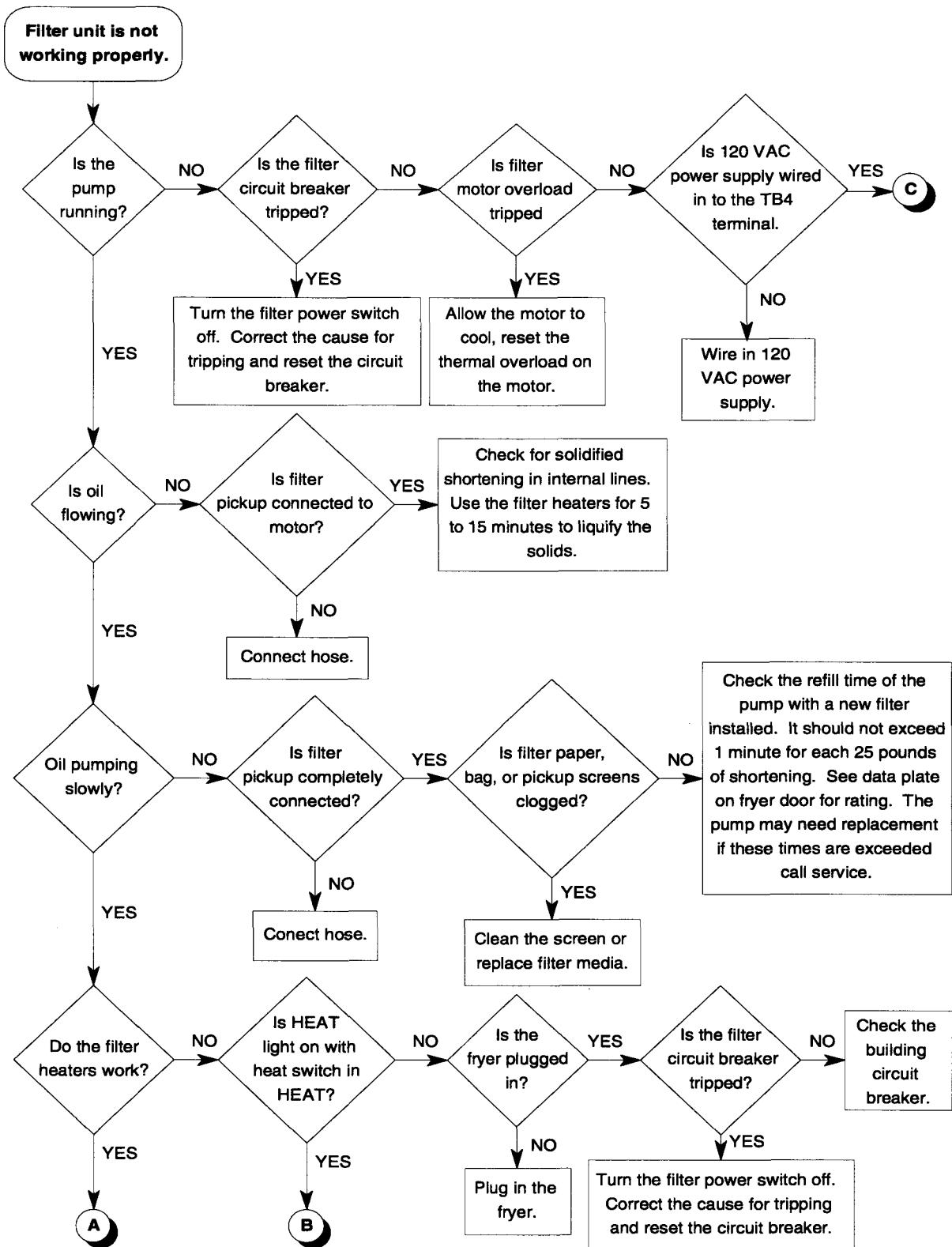


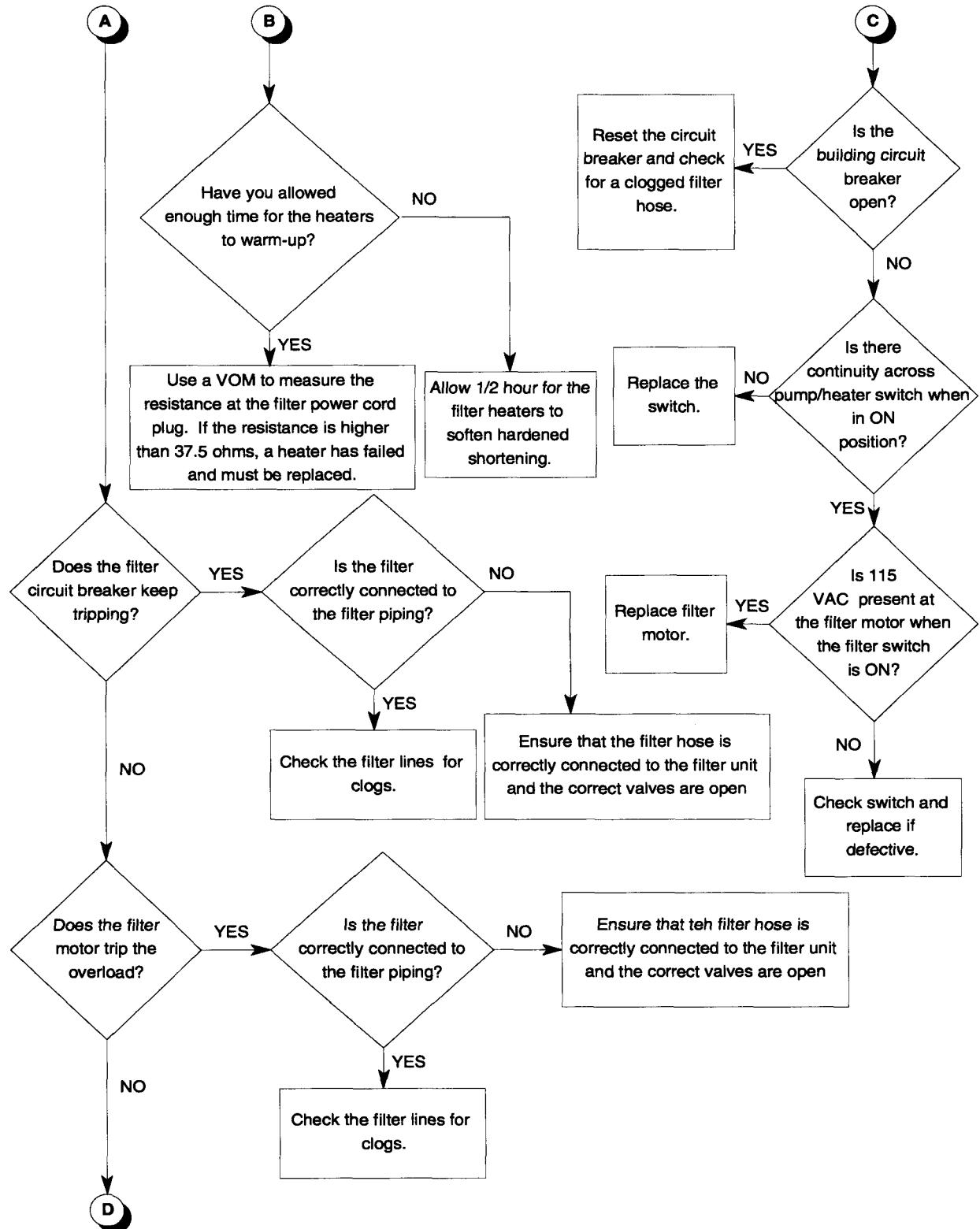
4.10 TROUBLESHOOTING BASKET LIFT PROBLEMS

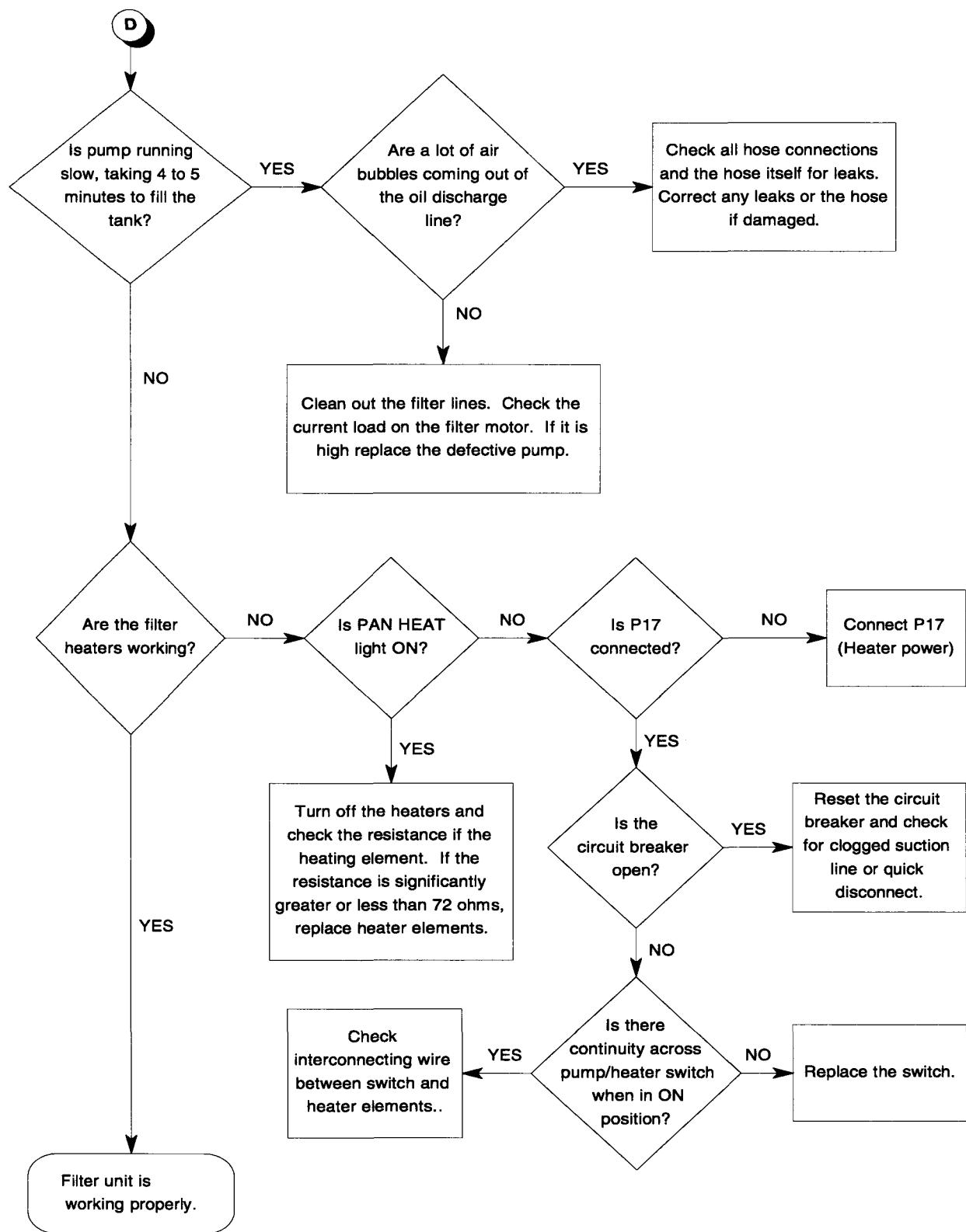




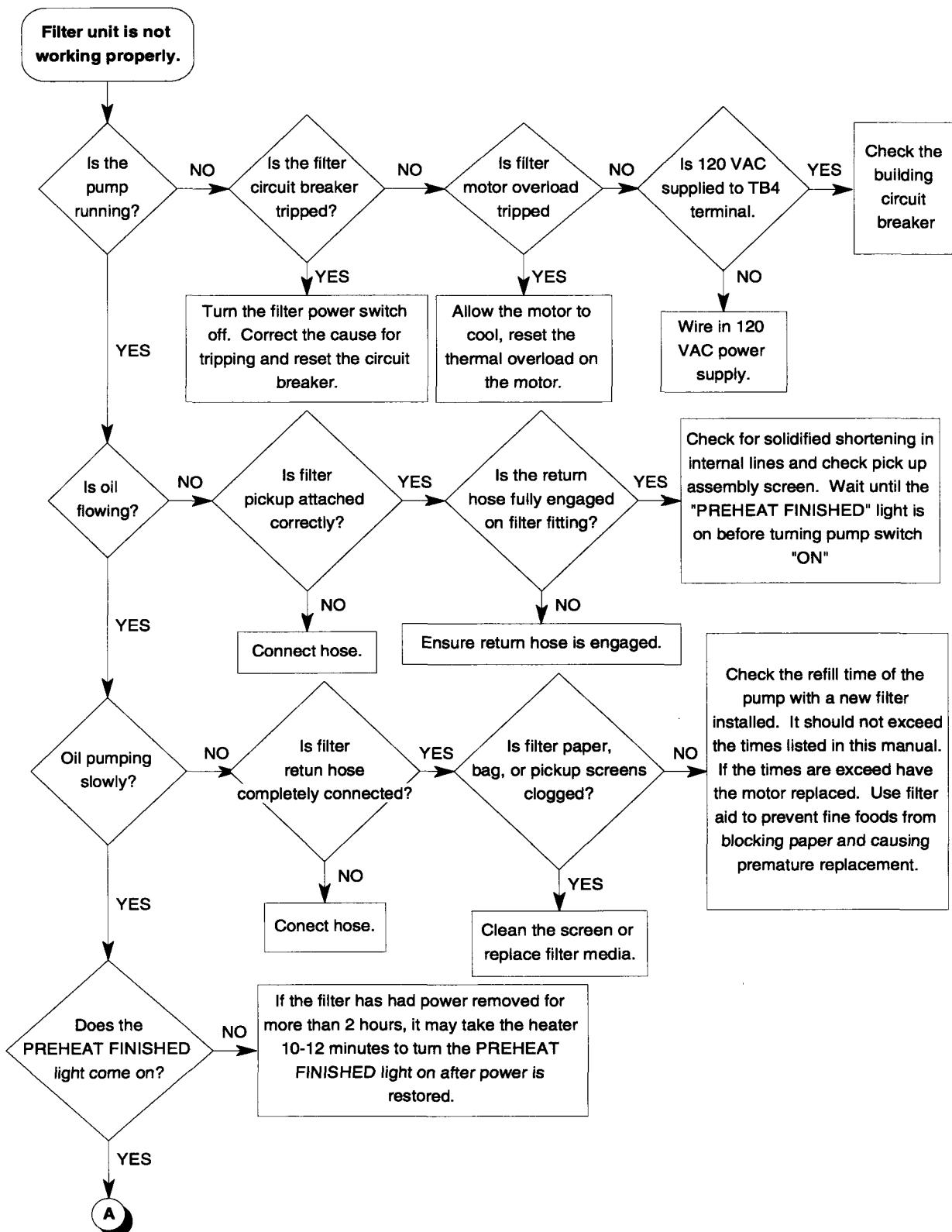
4.11 TROUBLESHOOTING BUILT-IN FILTER UNITS

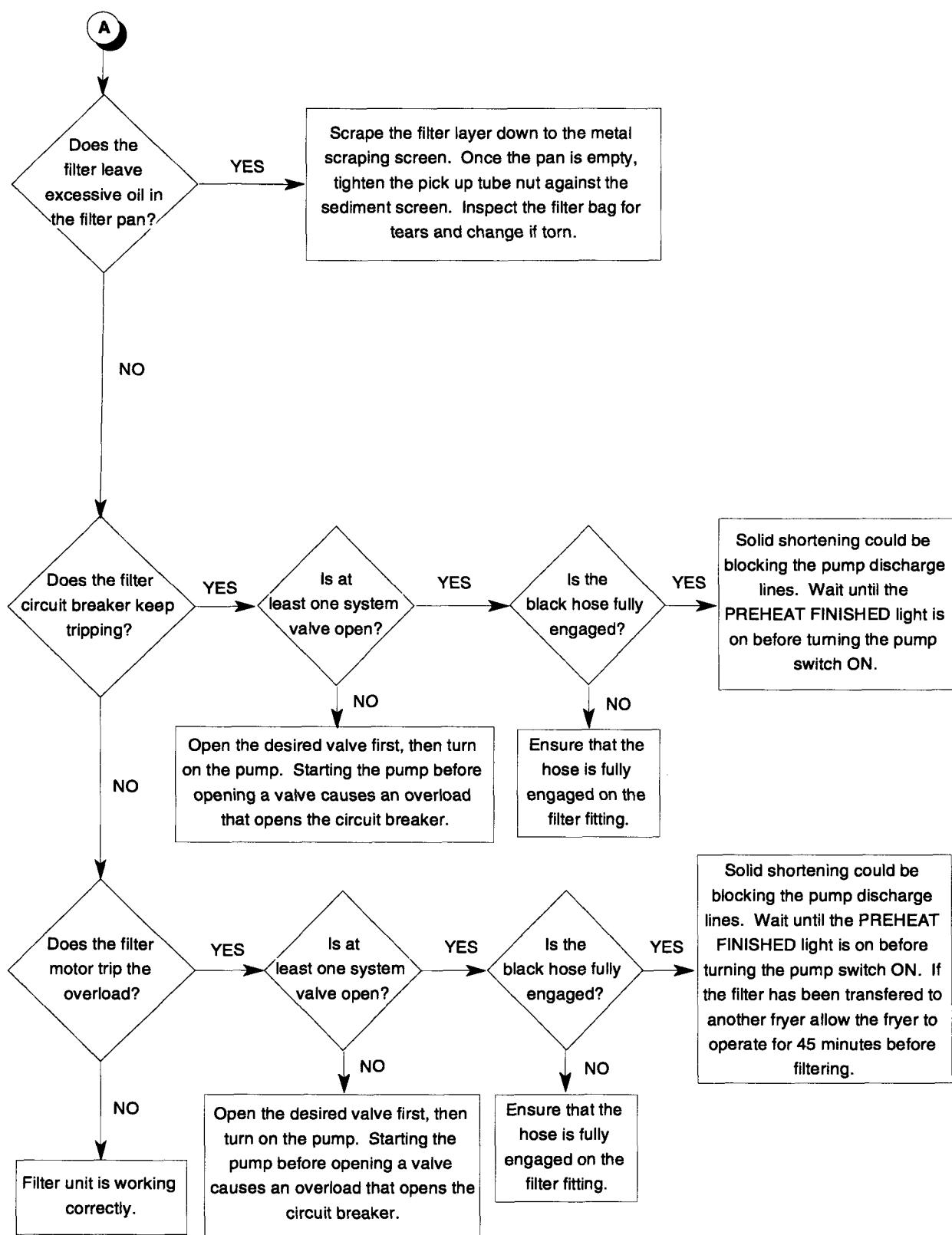






4.12 TROUBLESHOOTING UFM FILTER UNITS

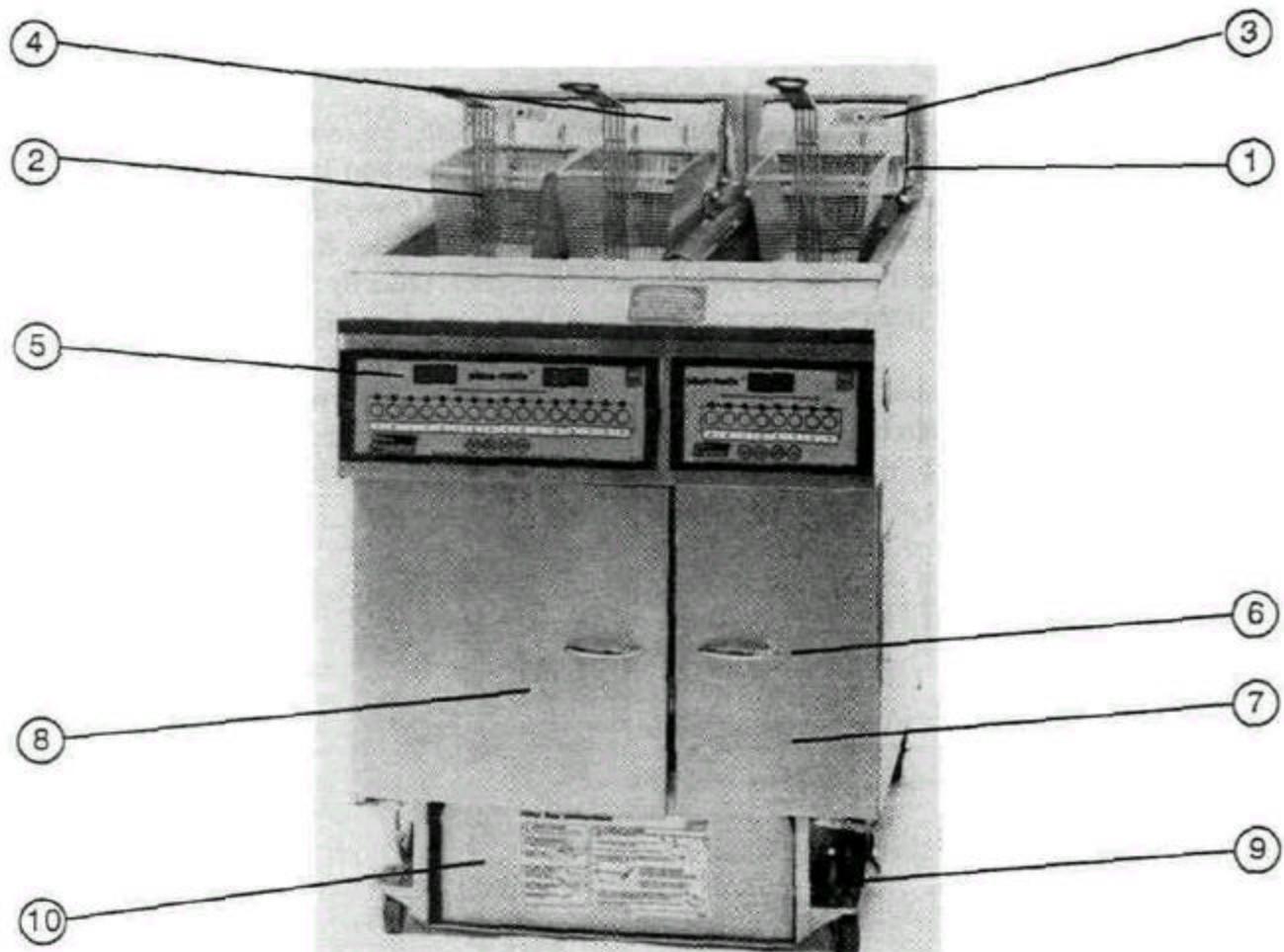




Chapters: Parts

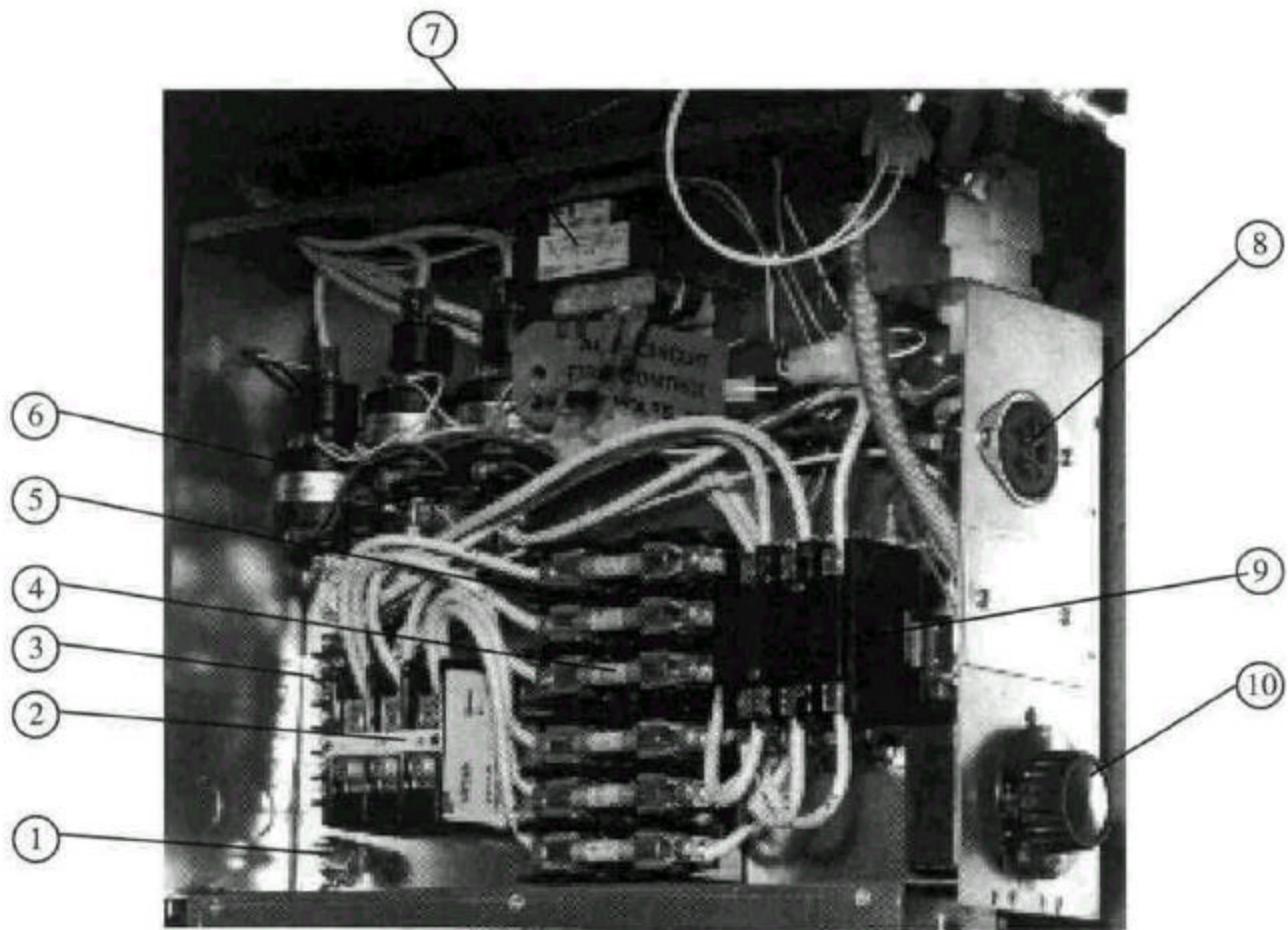
This chapter contains listings of the components used in the different models of universal fryers. These components are listed in two places, with the illustration and in ordered listings. The illustrations in this chapter are provided to show relative location of components located in the fryer. The fryer you have may not be illustrated in this chapter, but the part locations should be the same. With each illustration there is a table of components in numerical order by illustration number. The illustration has numbered lines pointing to components which are listed in the table.

At the end of this chapter there are alphabetical and numerical listings of all parts used in the universal fryers. The alphabetical part list is arranged in alphabetical order according to the part name. Each part name also has the Pitco Frialator part number. The numerical list is in Pitco Frialator part number order. A brief description of each component is provided for each part.



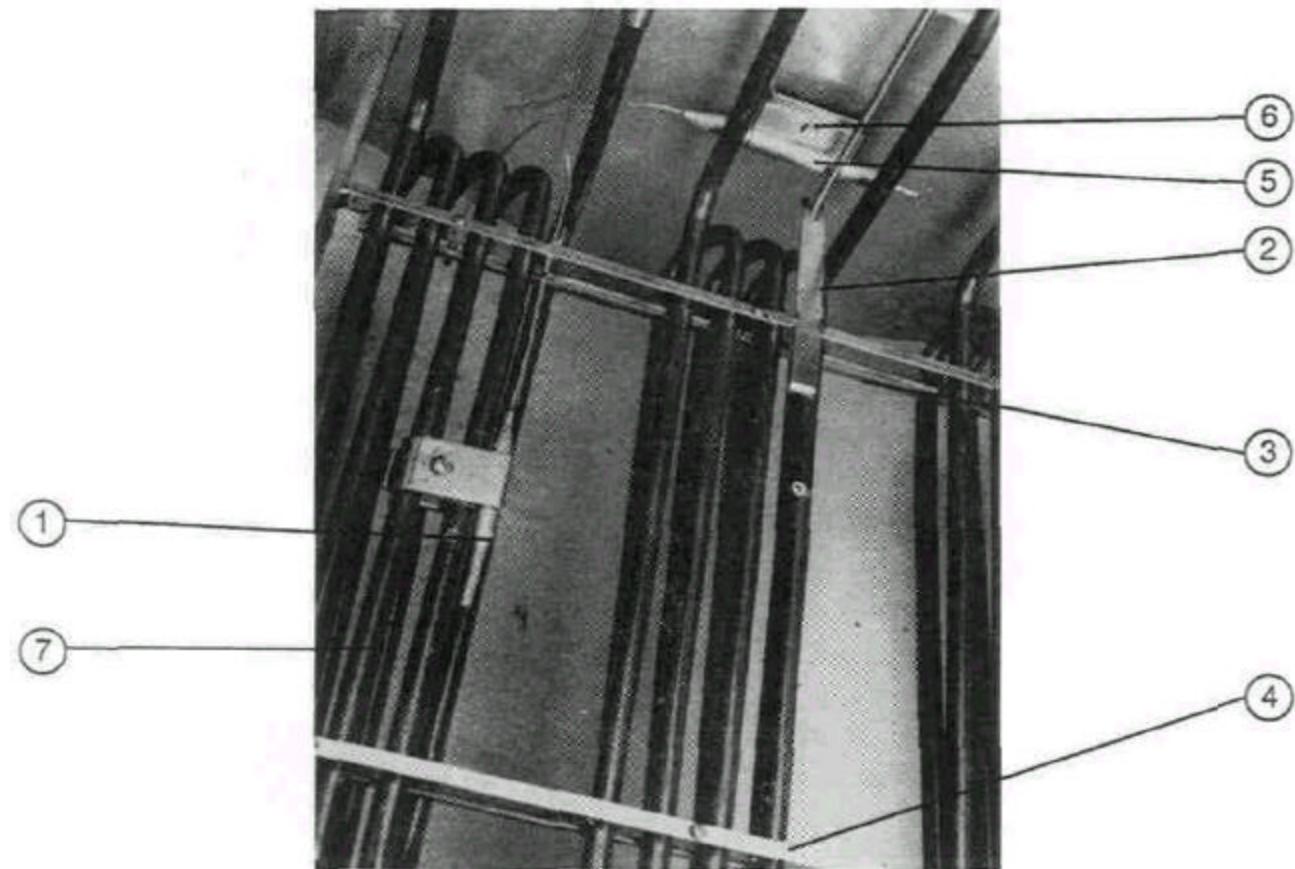
Index Number	Description	Index Number	Description
1	Basket Hanger		
2	Basket		
3	High Limit Cover		
4	Interlock Switch Access Cover		
5	Computer		
6	Door Handle		
7	Right Hand Door		
8	Left Hand Door		
9	Caster Set		
10	UFM Filter Module (Optional)		

Figure 5-1 Outside View



Index Number	Description	Index Number	Description
1	Ground Lug		
2	Terminal Block		
3	Terminal Block		
4	Fuses (6)		
5	Fuse Block		
6	Contactor, Mercury		
7	Transformer		
8	Receptacle		
9	Contactor, Mechanical		
10	Thermostat Knob		

Figure 5-2 Entrance Box



Index Number	Description	Index Number	Description
1	Auxiliary Thermostat Probe		
2	Computer Probe Clamp		
3	Computer Probe		
4	Element Bottom Bar		
5	Bracket Screens		
6	Element Rack		
7	High Limit Probe		
8	High Limit Probe Clamp		
9	Element		

Figure 5-3 Inside Fryer Tank Components

Table 5-1 Frame-Cabinet / Electrical Assemblies With Components

Item Number	Pitco Frialator Part Number	Description	Quantity Per Unit
1	B7446005	Pan Liner #14	1
	B7446006	Pan Liner #18	1
2	A6611401	Stop #14	1
	A6611403	Stop #18	1
3	P5046980	Heater Strip	2
4	P6071448	Plug Hole 2"	1
5	A6613101	Cover, Side	1
6	A1819602	Bracket, Door Magnet	1
7	P6071300	Magnet	1
8	B3900101	Leg Set	1
9	B7402238	Bracket, Circuit Breaker	1
10	PP10104	Circuit Breaker	1
11	PP10082	Light, 125V Amber	1
12	PP10195	Screw, Button Head Hex	2
13	A6042801	Overlay	1
14	PP10375	Switch, Rocker	1
15	B3600202	Front Panel Weldment	1
16	B7230202	Hinge, Top Door	1
17	B2301208	Door #14	1
	B2301210	Door #18	1
18	P6071516	Handle, Door	1
19	B7230302	Hinge, Bottom Door	1
20	P0075200	Screw, 2 #8x1/2 Self Drill	10
21	PP10686	Screw 6-32 x 1/4	2
22	PP10025	Screw 10-32 x 1/4	2

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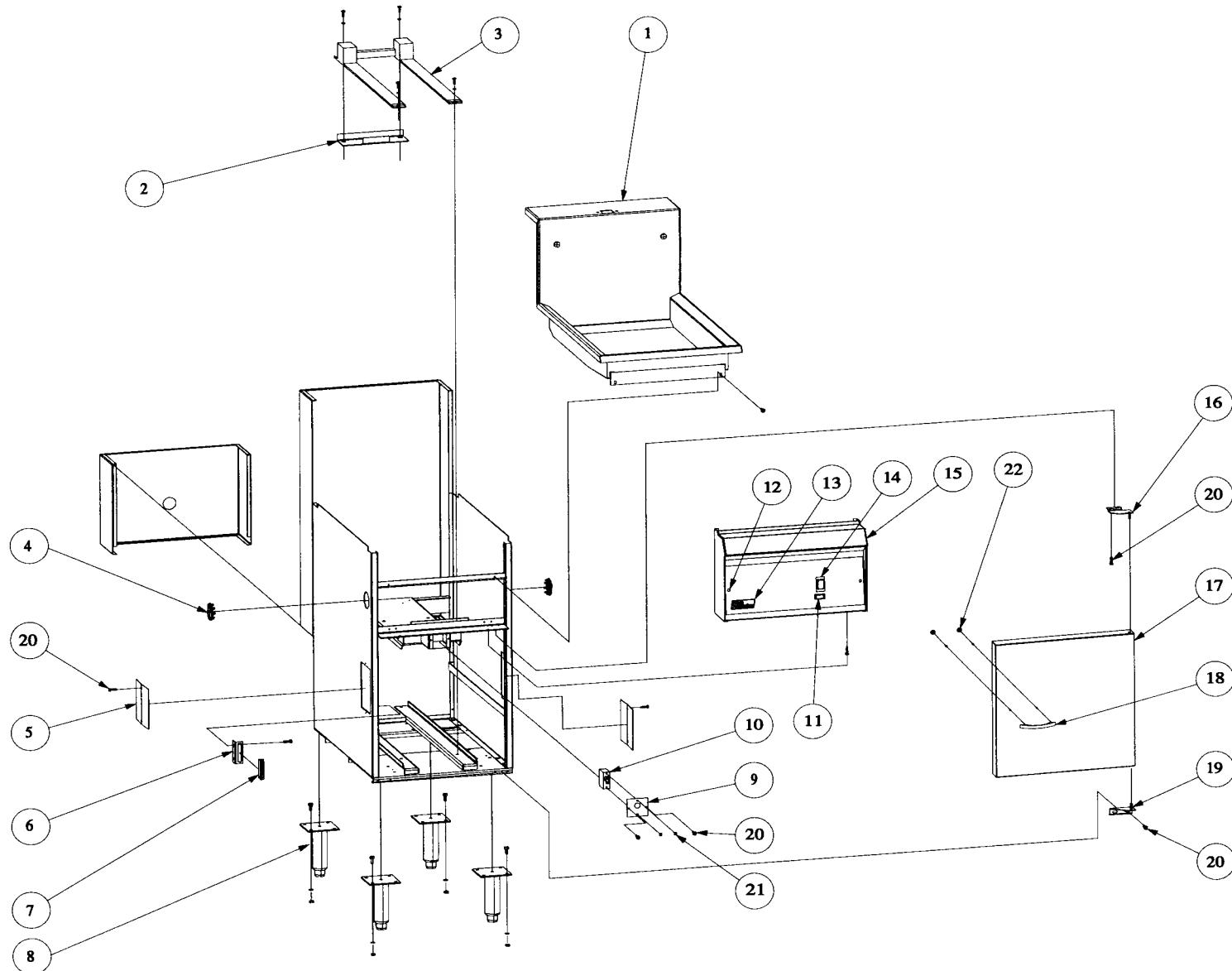


Figure 5-4 Frame-Cabinet / Electrical Assemblies With Components

Table 5-2 UFM Filter, Frame/Electrical Assembly

Item Number	Pitco Frialator Part Number	Description	Quantity Per Unit
1	B6621101	Filter Frame, Weldment	1
2	A6683002	Filter, Cover Motor	1
3	A6685702	Filter, Bracket Mounting Cover	1
4	A6684202	Filter, Cover Tubing	1
5	A6684502	Filter, Cover Tubing Cap	1
6	PP10741	Filter, QD SNP 23 Nipple	1
7	A6683802	Filter, Guard Tubing Channel	1
8	A6683102	Filter, Panel, Switch	1
9	PP10331	Lamp, 125V Green Rectangular	1
10	PP10735	Switch, Rocker DPST 15A, with Breaker	1
11	A6055801	Label, Overlay Filter Module	1
12	A7680402	Plate, Switch Pasta	1
13	A6683302	Filter, Box Electrical Body	1
14	P6071062	Caster, 2" With Top Plate	4
15	P0011300	Screw, 10-24 x 3/8" Indent Hex	16
16	PP10176	Nut, Center Lock 10-24	16
17	PP10147	Clip, Cable 0.375 ID	2
18	PP10107	Bushing, Strain Relief	1
19	B6717901	Wiring, Cord, Filter with Termination	1
20	P0093300	Nut, Hex (KEP) 1/4-20 ZN	5
21	A6682802	Filter, Guide CA	1
22	B6717101	Wiring, Cable Filter Assembly	1
23	PP10192	Bushing, Strain Relief 90	2
24	PP10460	Switch, Rocket Circuit Breaker SPST 8A 125V	1
25	PP10119	Label, Warning Motor Reset	1
26	P6071490	Plug, Hole 7/8" Plated	2
27	PP10692	Screw, 10-24 x 5/16" TH Phillips ZN	5
28	PP10752	Screw, 10-32 x 1/2" Thread Roller	18
29	P0000100	Screw, 6-32 x 7/8" RH ZN	2
30	P009100	Nut, Hex 6-32 ZN (KEP)	2
31	P0075200	Screw, TEK 2 #8 x 1/2" SLF DR	1
32	P6071497	Plug, Hole 3/4" Plated	1
33	B6622301	Hose Assembly With Quick Disconnect	1

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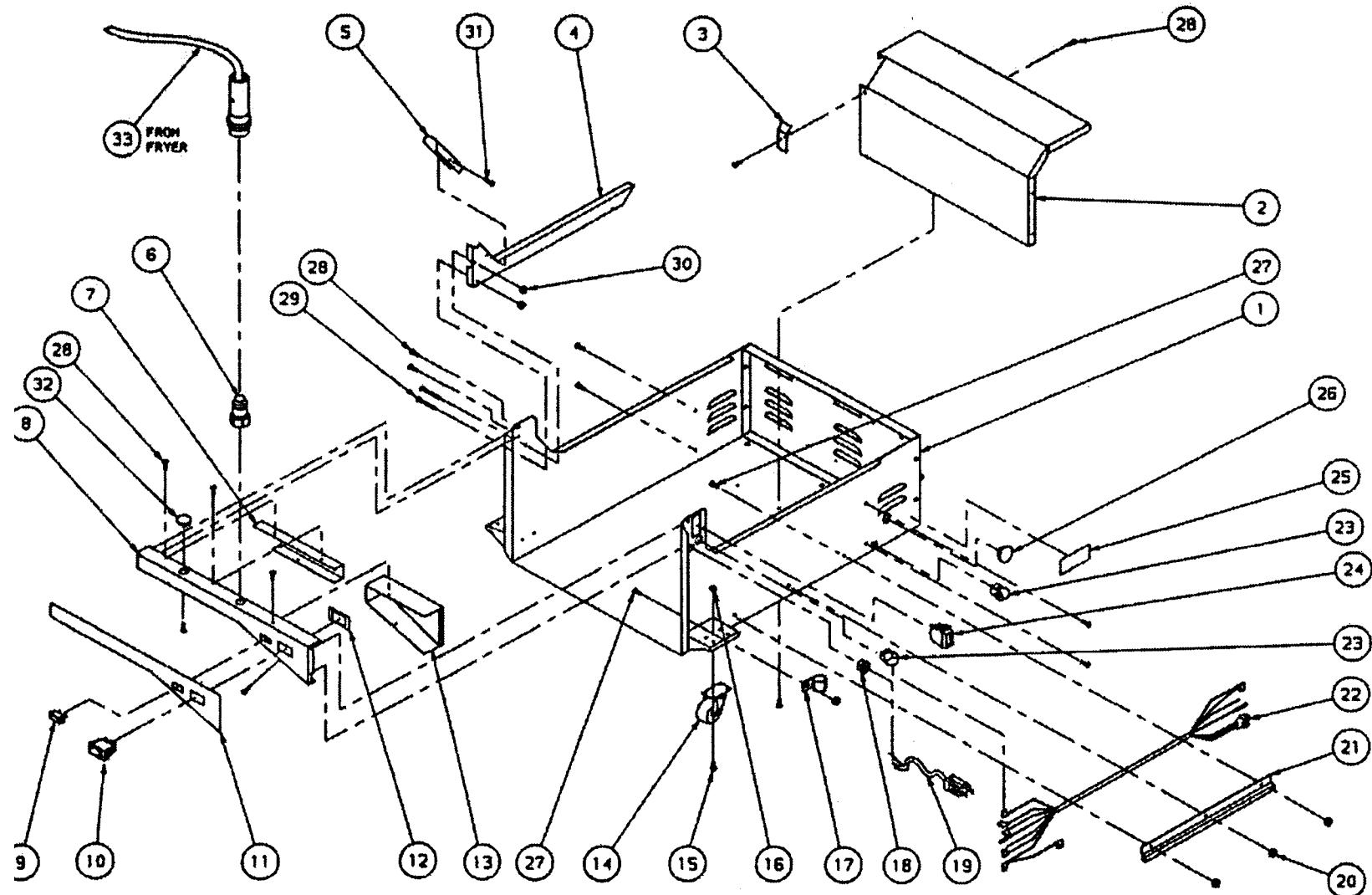


Figure 5-5 UFM Filter, Frame/Electrical Assembly

Table 5-3 UFM Filter, Pick-Up/Pan Assembly

Item Number	Pitco Frialator Part Number	Description	Quantity Per Unit
1	B6621001	Filter Pan, Weldment	1
2	B6620001	Filter, Rack	1
3	B6617001	Filter, Screen Clip	1
4	B6621202	Filter, Catch Crumb, Weldment	1
5	A6056001	Label, Filter Instruction - Pan	1
6	B6621301	Filter, Cover Pan, Weldment	1
7	P6071516	Handle, Door, 3" C to C	1
8	A6681802	Filter, Coupling Top	1
9	B6615301	Filter, Screen Inlet	1
10	PP10409	O-Ring Viton 11/16" x .094" W	1
11	B6621601	Filter, Tube Suction, Weldment	1
12	PP10629	Ring, Retaining - Internal .875"	1
13	A6684601	Filter, Insulation Pick-Up	1
14	P0062100	Screw, 1/4-20 x 3/8" Set	2
15	P0007300	Screw, 8-32 x 1/4" Hex & N 2N	2
16	PP10613	Filter Paper, 18-1/2" x 20-1/2" Heavy Duty	1

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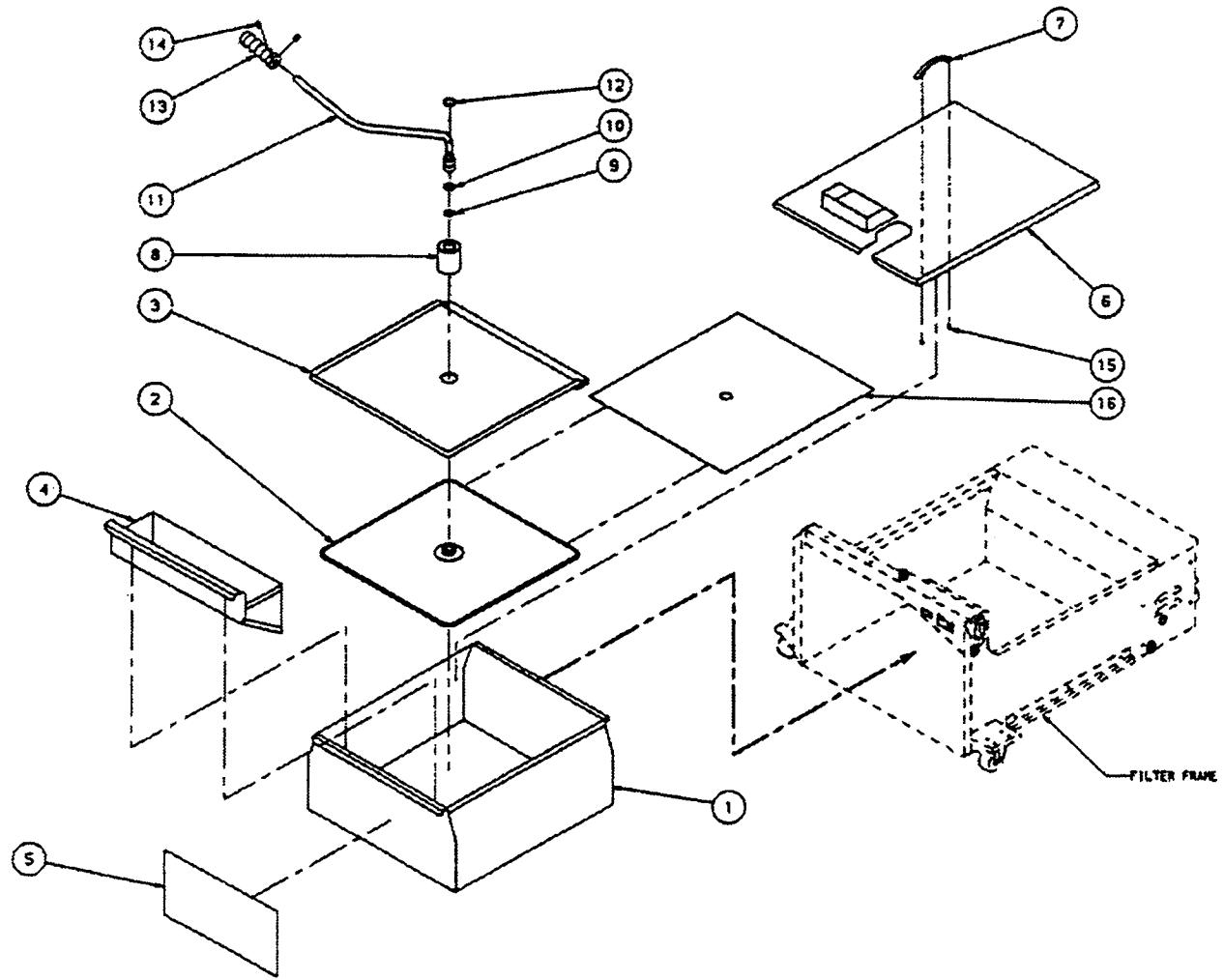


Figure 5-6 UFM Filter, Pick-Up/Pan Assembly

Table 5-4 UFM Filter, Motor / Return Assembly

Item Number	Pitco Frialator Part Number	Description	Quantity Per Unit
1	PP10101	Pump/Motor 1/3 HP, 115/230V, 50/60Hz	1
2	PP10106	Fitting, Elbow Male 90 .50D x .5 NPT	2
3	A6682702	Filter, Tubing Out SS	1
4	PP10731	Fitting, Elbow Male 90 .50D x .375 NPT	1
5	B6621401	Filter, Tubing Pump - Inlet Weldment	1
6	PP10039	Heat Tape, 1/2" x 79" 110V 165 Watt	1
7	PP10111	O-Ring, Viton .50ID x .688 x .094W	2
8	A6685601	Filter, Insulator O-Ring Fitting	1
9	P0062100	Screw, 1/4-20 x 3/8" Set	1
10	B6717701	Wiring, Motor Harness	1
11	PP10739	Thermostat, Snap Disc	1
12	PP10687	Screw, 6-32 x 5/16" TH Plumps ZN	2
13	P009110	Nut, Hex (KEP) 6-32 ZN	2
14	PP10738	Nut, Retaining Clip 5/16" - 18	1
15	P0144000	Nut, Hex 5/16"-18 SST	2
16	P0115000	Screw, 5/16" - 18 x 3/4" HHC SSBB	3

Revised 5/28/93

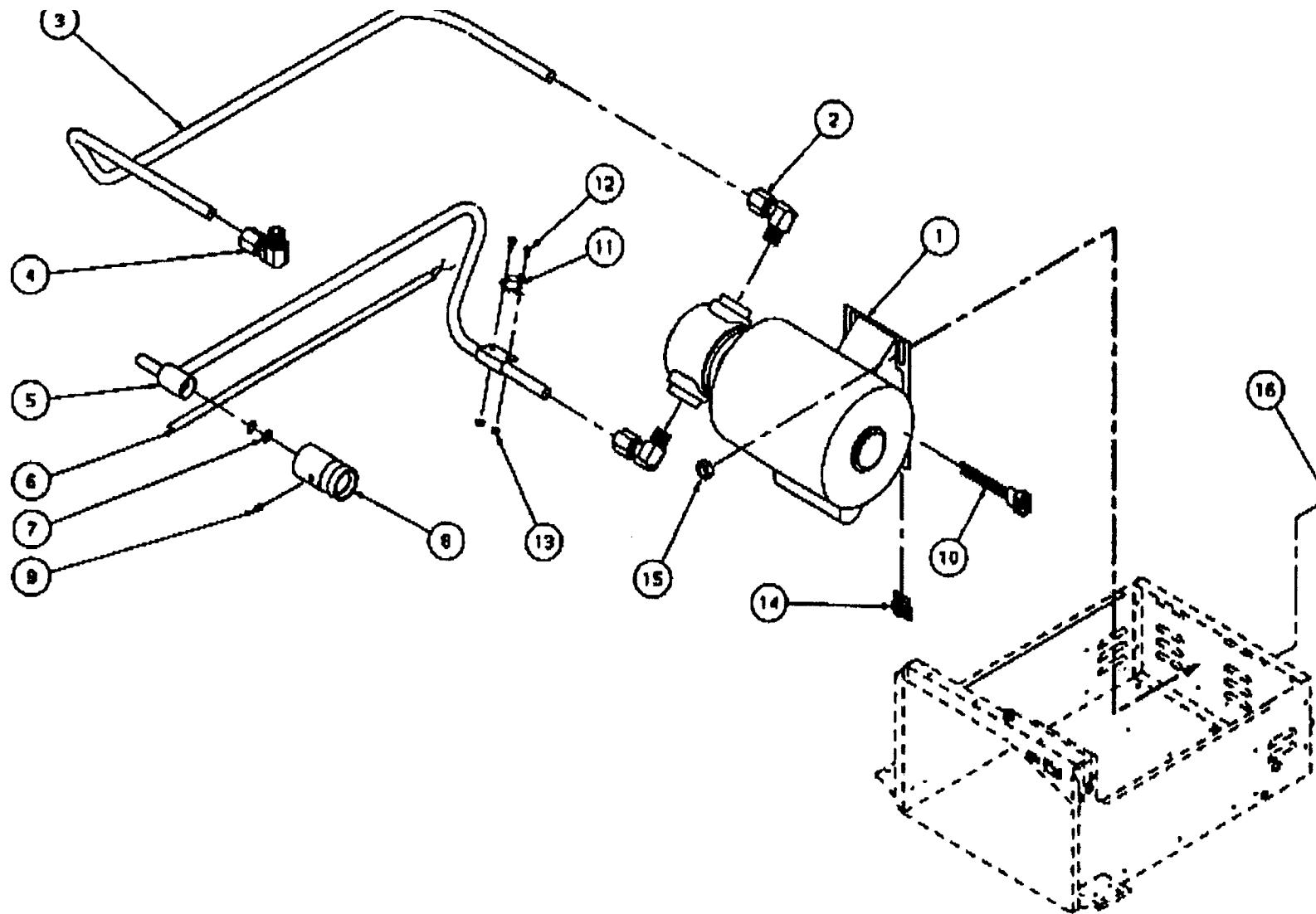


Figure 5-7 UFM Filter, Motor / Return Assembly

Table 5-5 Built-in Filter Pan With Components

Item Number	Pitco Frialator Part Number	Description	Quantity Per Unit
1	B6602001	Pan #14	1
	B6602101	Pan #18	1
2	B6603001	Paper Retainer #14	1
	B6603002	Paper Retainer #18	1
3	B6602401	Hose #14	1
	B6602402	Hose #18	1
4	P6071123	Quick Disconnect, Male	1
5	P7037752-1	Elbow 90° 3/8 Street Plated	1
6	A6641802	Handle #14	2
	A6641804	Handle #18	2
7	P6072611	Paper Support Rack #14	1
	P6072612	Paper Support Rack #18	1
8	P7037316-1	Stand Pipe #14	1
	P7037320-1	Stand Pipe #18	1
9	P7037675	Elbow 90° 3/8 Plated	1

Revised 5/28/93

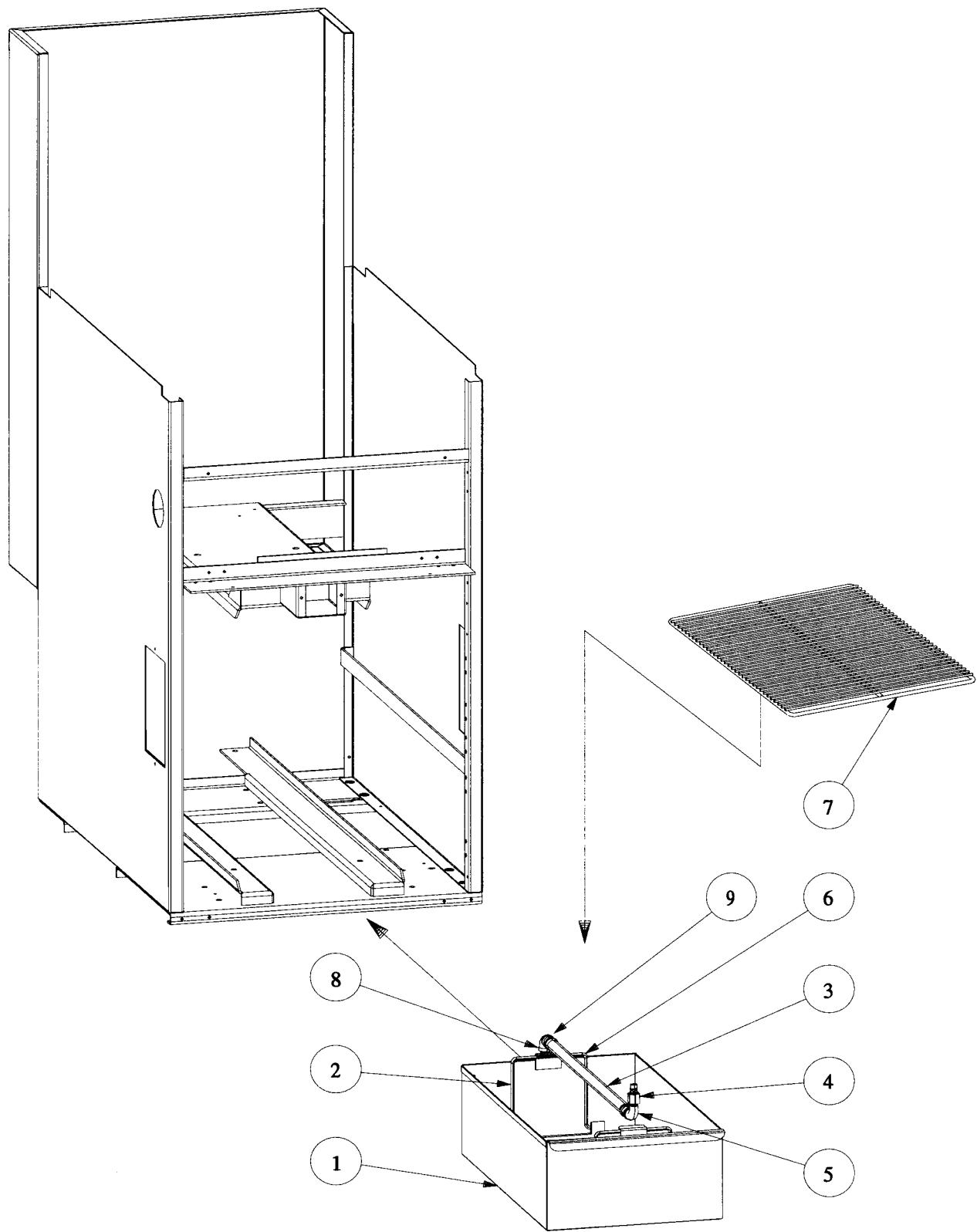


Figure 5-8 Built-in Filter Pan With Components

Table 5-6 Built-in Filter Piping With Components

Item Number	Pitco Frialator Part Number	Description	Quantity Per Unit
1	P5046381	Pump and Motor	1
2	P6071530	Pump Only	1
3	P5046384	Motor Only	1
4	B7402241	Quick Disconnect	1
5	P0020600	Bolt 1/4 - 20 x 5/8"	4
6	P0080650	Washer, Flat	8
7	P0093300	Nut, Keep	4

Revised 5/28/93

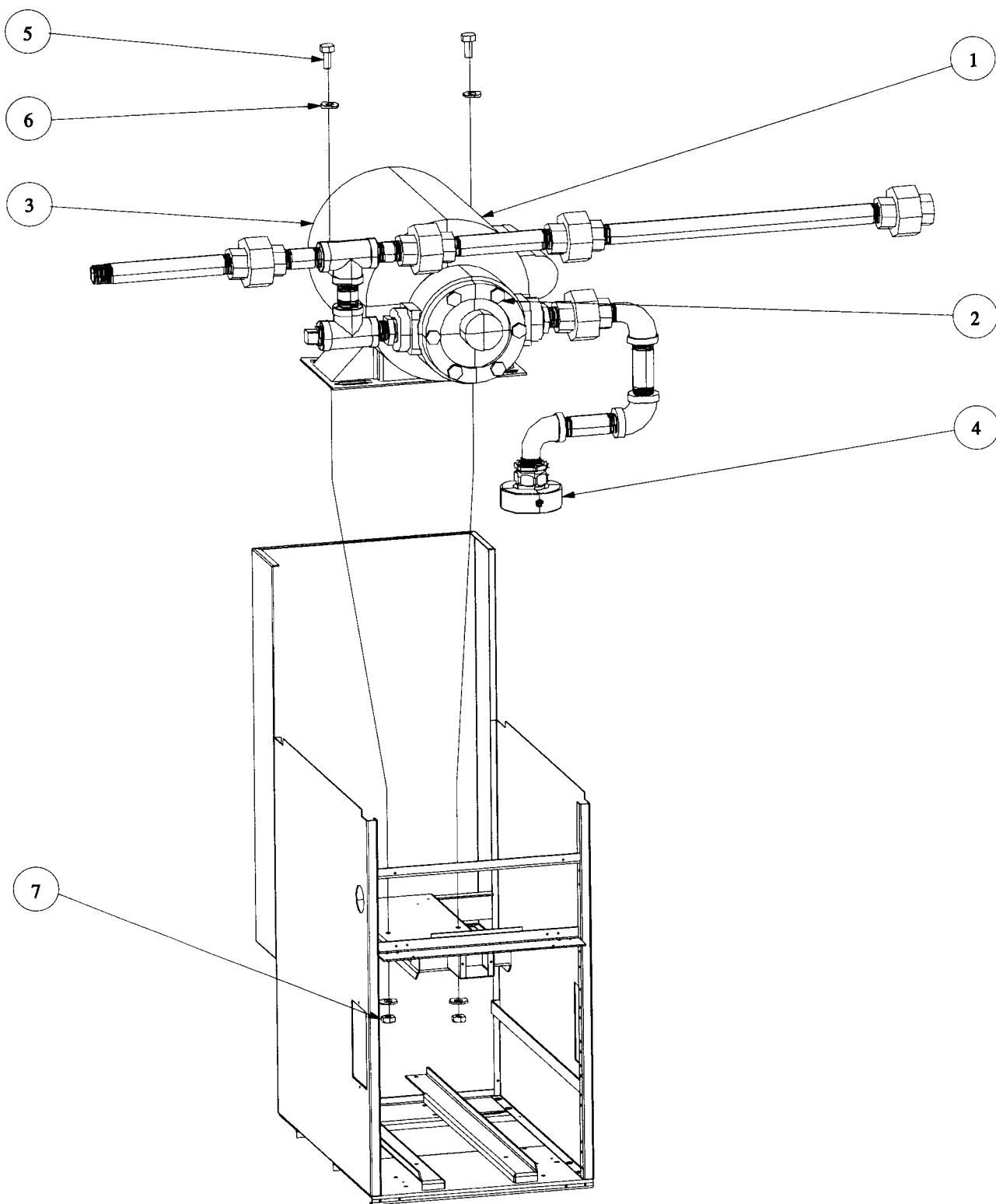


Figure 5-9 Built-in Filter Piping With Components

Table 5-7 Built-in Filter With Accessories

Item Number	Pitco Frialator Part Number	Description	Quantity Per Unit
1	P5044768	Food Warmer, Built-in	1
	P5044760	Food Warmer, Free Standing	1
2	P6072155	Drain Screen #14	1
	P6072156	Drain Screen #18	1
3	A5811202	Pan Liner #14	1
	A5811206	Pan Liner #18	1
4	PP10733	Filter Powder, 120, 8oz Packets	
5	P6071371	Paper #14 Standard	
	PP10612	Paper #14 Heavy Duty	
	P6071373	Paper #18 Standard	
	PP10606	Paper #18 Heavy Duty	
6	A1100802	Basket Hanger #14	1
	A1100804	Basket Hanger #18	1

Revised 5/28/93

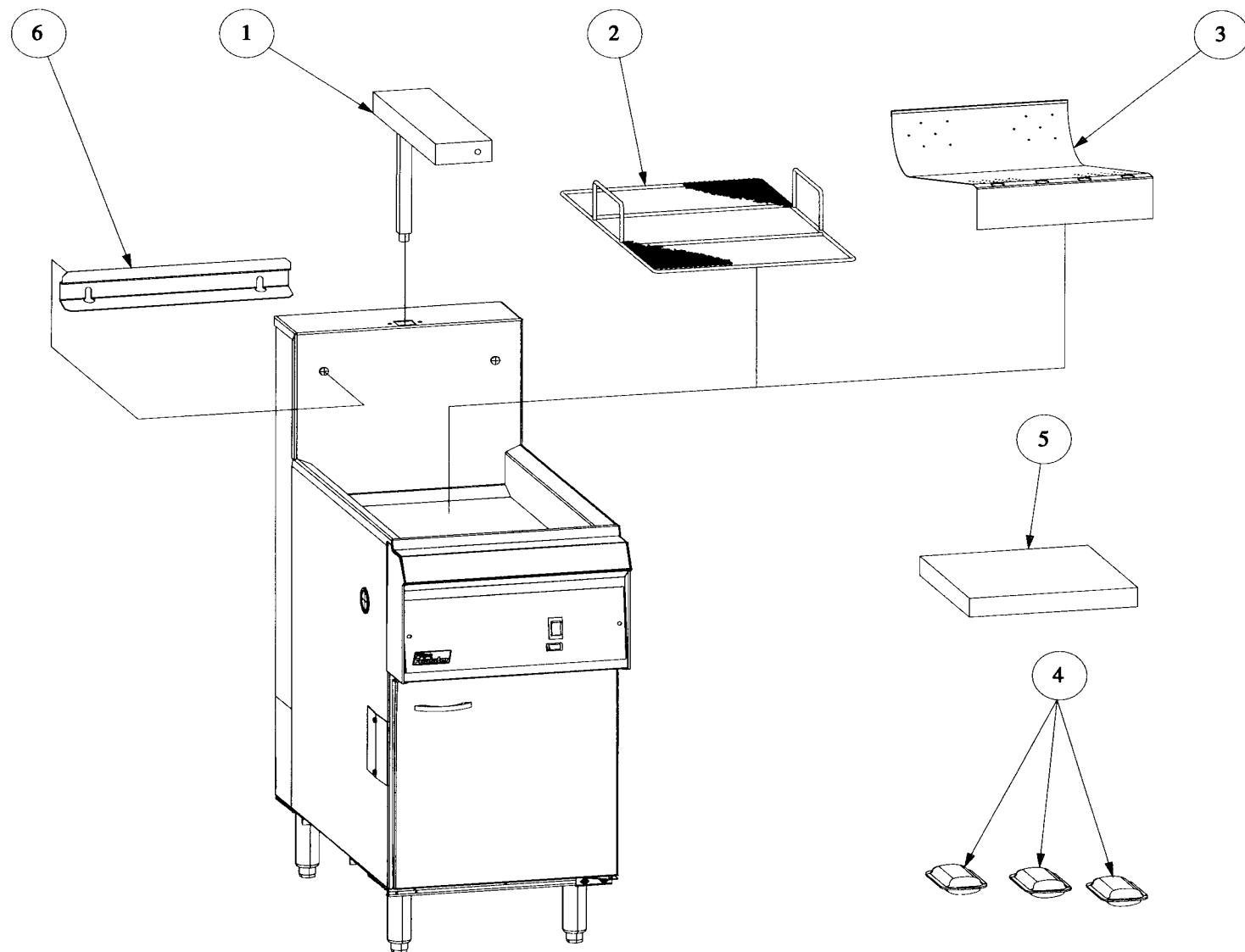


Figure 5-10 Built-in Filter With Accessories

ALPHABETICAL PART LIST

Part Description	Models Used on	Pitco Frialator Part No.
BASKET HANGER, STAINLESS STEEL	E14, E14B	A1100406
BASKET HANGER, STAINLESS STEEL	E18	A1100408
BASKET HANGER, STAINLESS STEEL	E18B	A1101002
CASTER (4/FILTER)	ALL UFM	P6071062
CASTER ASSEMBLY 7" WITH LOCKING DEVICE	ALL UFM	PP10811
CASTER ASSEMBLY 7" WITHOUT LOCKING DEVICE	ALL UFM	PP10810
CASTER WITH LOCK 6"	ALL	PP10809
CASTER WITHOUT LOCK 6"	ALL	PP10808
CHANNEL STRIP #14-2	E14	A1900104
CHANNEL STRIP #18-2	E14	A1900114
CIRCUIT BREAKER, 10 AMP	ALL BIF	PP10104
CIRCUIT BREAKER, 4 AMP, DOUBLE POLE	240V UFM	PP10470
CLAMP, BAND (FILTER)	ALL	PP10034
CLEAN OUT ROD	ALL	A3301001
CLIP, SCREEN	SF50, SF65	B6603601
CONTACTOR, DEFINITE PURPOSE, 40A, 24 V, 3PST-NO	ALL	PP10560
CONTACTOR, MERCURY-40AMP 24 VAC 5PST-NO	ALL	PP10553
CORD, PLUG-RETRACTILE 16-3 SJ0	E14,E18UFM	PP10439
COUNTER BALANCE BEARING ASSEMBLY	E14,E14B, E18,E18B	B7361701
COUNTER BALANCE HINGE BRACKET	E14	B7361803
COUNTER BALANCE HINGE BRACKET	E14B,E18	B7361804
COVER SCREWS	ALL	P0101200
CRUMB CATCH	SF50, SF65	B6601802
CRUMB CATCH BASKET	ALLBIF	P6072165
CRUMB CATCH RETAINER	E14 BIF	B6601901
CRUMB CATCH RETAINER	E18BIF	B6601902
DOOR HANDLE	ALL	P6071516
DOOR MAGNET	ALL	P6071300
DOOR, UNIVERSAL, STAINLESS STEEL OUTSIDE	E14,E14B	B2301205
DOOR, UNIVERSAL, STAINLESS STEEL OUTSIDE	E18,E18B	B2301206
DOOR, UNIVERSAL, STAINLESS STEEL OUTSIDE	E12	B2301204
DRAIN OUTLET NIPPLE, 1-1/4"	E14,E14B, E18	A2502503
DRAIN VALVE	E12	P6071769
DRAIN VALVE, 1-1/2" FULL PORT	E18B	P6071770
DRAIN VALVE, 1-1/4" STANDARD	E14,E14B, E18,E18B	P6071785
ELEMENT HOUSING BOX COVER	E14,E14B	A2603206
ELEMENT HOUSING BOX COVER	E18,E18B	A2603208
ELEMENT RACK	E12	B2800703-1
ELEMENT RACK	E14B,E14	B2800706-1
ELEMENT RACK	E18B	B2800710-1
ELEMENT RACK	E18	B2800708-1

ALPHABETICAL PART LIST (Continued)

Part Description	Models Used on	Pitco Frialator Part No.
ELEMENT RACK	E14X	B2800704-1
ELEMENT WIRES	ALL	SPECIAL ORDER
ENTRANCE BOX COVER	ALL	A2900601
FAT CONTAINER	ALL	SPECIAL ORDER
FEMALE QUICK DISCONNECT (BLACK DONUT)	SF50.SF65	PP10113
FILTER CATCH, CRUMB, WELDMENT	SF50A,SF65A	B6621202
FILTER COVER, PAN, WELDMENT	SF50A	B6621301
FILTER COVER, PAN, WELDMENT	SF65A	B6621302
FILTER ENVELOPE 18" X 20-1/2"	ALL UFM	PP10613
FILTER HOSE UFM EXCEPT RPB	SF50A.SF65A	B6622001
FILTER HOSE UFM FOR RPB	SF50A.SF65A	B6622002
FILTER INSULATION PICK-UP	SF50A,SF65A	A6684601
FILTER INSULATOR TOP	SF50A.SF65A	A6685401
FILTER PAN, WELDMENT	SF50A	B6621001
FILTER PAN, WELDMENT	SF65A	B6621002
FILTER PAPER 13-1/2" X 24"	E7-E14 BIF	P6071371
FILTER PAPER 17-1/2" X 28"	E18-E34BIF	P6071373
FILTER PAPER, HEAVY DUTY, 13-1/2" X 24"	E7-E14 BIF	PP10612
FILTER PAPER, HEAVY DUTY, 17-1/2" X 28"	E18-E34BIF	PP10606
FILTER QD SNP 23 NIPPLE	SF50A.SF65A	PP10741
FILTER QUICK DISCONNECT ADAPTER	SF50.SF65	B6603901
FILTER RACK	SF50A.SF65A	B6620001
FILTER RETURN INSULATION DISCONNECT	SF50A,SF65A	B6622801
FILTER SCREEN CLIP	SF50A,SF65A	B6617001
FILTER, TUBE SUCTION, COMPLETE	SF50A,SF65A	B6621701
FUSE 1 AMP SLOW BLOW GLASS	ALL	PP10122
FUSE 40 AMP	E14,E14B,E18	P5045701
FUSE 50 AMP	E18B	P5045702
FUSE HOLDER	ALL	P5045792
GASKET, DRAIN LINE (SLEEVE)	ALL	PP10032
GASKET, DRAIN LINE (SLEEVE)	ALL	PP10032
GROUND CLAMP	ALL	P5045241
HANDLE, VALVE 3/8 BALL, COATED BLUE	ALL	PP10049
HANDLE, VALVE 3/8 BALL, COATED RED	ALL	PP10048
HANDLE, VALVE 3/8 BALL, COATED YELLOW	ALL	PP10050
HEAT TAPE, 1/2" X 79", 110 VAC, 165 W	SF50,SF65	PP10039
HEAT TAPE, 110 VAC, 120 W	SF50.SF65	PP10194
HEATER, SILICONE, 120 VAC, 250 W	SF50.SF65	PP10099
HEATING ELEMENT	E12-208V	P5046923
HEATING ELEMENT	E12-240V	P5046924
HEATING ELEMENT	E12-480V	P5046951
HEATING ELEMENT	E18-480V	P5046900

ALPHABETICAL PART LIST (Continued)

Part Description	Models Used on	Pitco Frialator Part No.
HEATING ELEMENT	E18-208V	P5046901
HEATING ELEMENT	E18-240V	P5046902
HEATING ELEMENT	E18B-208V	P5046903
HEATING ELEMENT	E18B-240V	P5046904
HEATING ELEMENT	E18B-480V	P5046952
HEATING ELEMENT	E14-208V	P5046920
HEATING ELEMENT	E14-240V	P5046921
HEATING ELEMENT	EI 4-480V	P5046919
HEATING ELEMENT	E14B,E7-208V	P5046915
HEATING ELEMENT	E14B,E7-240V	P5046916
HEATING ELEMENT	E14B,E7-480V	P5046960
HIGH LIMIT BULB CLAMP	ALL	B7370402
HIGH LIMIT CAPILLARY CLAMP	ALL	A1400902
HIGH LIMIT COVER	ALL	B7370101
HIGH LIMIT SWITCH	ALL	P5047216
HINGE, DOOR-BOTTOM LH	ALL	B7230301
HINGE, DOOR-BOTTOM RH	ALL	B7230302
HINGE, DOOR-TOP LH	ALL	B7230201
HINGE, DOOR-TOP. RH	ALL	B7230202
HOSE ASSEMBLY WITH QUICK DISCONNECT	SF50A.SF65A	B6622301
INTERLOCK SWITCH	ALL	P5047170
INTERLOCK SWITCH COVER	ALL	A2601502
KNOB, 200-400 OFF ELECTRIC	ALL	PP10539
LAMP, 125 VAC AMBER RECTANGULAR	ALL UFM	PP10082
LAMP, 125 VAC GREEN RECTANGULAR	SF50A.SF65A	PP10331
LEG, ADJUSTABLE 6"	ALL	B3900909
LEG, ADJUSTABLE 8"	ALL	B7472909
LEG, ADJUSTABLE, 7"	ALL	B3900408
LOCK ARM TIP	ALL	P5045161
MODULE 1 PROD 14/18-184 NAT	E14,E18	P5044851
MODULE 1 PROD 14/18-184 REBUILT	E14,E18	P5044852
MODULE 1 PROD 7-184 NAT	E7	P5044856
MODULE 1 PROD 7-184 REBUILT	E7	P5044857
MODULE 8 PROD 14/18-884 NAT	E14,E18	P5044850
MODULE 8 PROD 14/18-884 REBUILT	E14,E18	P5044854
MODULE 8 PROD 7-884 NAT	E7	P5044855
MODULE 8 PROD 7-884 REBUILT	E7	P5044853
O-RING, VITON .50 ID X .688 X .094W	SF50A, SF65A	PP10111
PICKUP QUICK DISCONNECT, FEMALE, NO/RING	SF50,SF65	P6071122
PICKUP QUICK DISCONNECT, MALE	SF50,SF65	P6071123
PLUG - 9 POLE MALE	ALL	P5045826
PROBE STANDOFF CLAMP	ALL	B7370403
PUMP/MOTOR ASSEMBLY, 115/230 VAC	ALL BIF	P5046381
PUMP/MOTOR ASSEMBLY, 115/230 VAC, 60HZ, 1/3 HP	ALL UFM	PP10101

ALPHABETICAL PART LIST (Continued)

Part Description	Models Used on	Pitco Frialator Part No.
RECEPTACLE, 3 PRONG, 15A, 125 VAC	ALL UFM	PP10103
RETURN HOSE NEW STYLE SF50	SF50	B6602803
RETURN HOSE NEW STYLE SF65	SF65	B6602804
SPRING	ALL	P6071636
SQUARE BASKETS, FINE MESH	E12	P6072124
SQUARE BASKETS, FINE MESH	E14.E14B	P6072144
SQUARE BASKETS, FINE MESH	E18	P6072187
SQUARE BASKETS, FINE MESH	E12	P6072124
SQUARE BASKETS, REGULAR MESH	E12	P6072123
SQUARE BASKETS, REGULAR MESH	E14.E14B	P6072143
SQUARE BASKETS, REGULAR MESH	E18	P6072183
SUCTION TUBE	SF50.SF65	B6603801
SUPPORT RACK, TOP	SF50.SF65	B6603701
SWITCH , ROCKER, DPDT (ON-OFF-ON)	SF50.SF65	PP10098
SWITCH, ROCKER CIRCUIT BREAKER SPST, 8A, 125 VAC	SF50A.SF65A	PP10460
SWITCH, ROCKER DPST 15A, WITH BREAKER	SF50A.SF65A	PP10735
TERMINAL BLOCK (TB2)	ALL	P5047305
TERMINAL BLOCK (TB3)	ALL	P5047303
THERMOSTAT KNOB	ALL	P6071270
THERMOSTAT PROBE	E12.E14 ALL	
	E18	P6700602
THERMOSTAT, SNAP DISK	SF50A.SF65A	PP10739
TWIN BASKETS, FINE MESH	E12	P6072126
TWIN BASKETS, FINE MESH	E14,E14B	P6072146
TWIN BASKETS, FINE MESH	E18	P6072188
TWIN BASKETS, REGULAR MESH	E12	P6072125
TWIN BASKETS, REGULAR MESH	E14.E14B	P6072145
TWIN BASKETS, REGULAR MESH	E18	P6072184
VALVE, BALL 3/8" PLTD W/0 HANDLE	ALL	P6071780

NUMERICAL PART LIST

Pitco Frialator Part No.	Part Description	Models Used on
A1100406	BASKET HANGER, STAINLESS STEEL	E14,E14B
A 1100408	BASKET HANGER, STAINLESS STEEL	E18
A1101002	BASKET HANGER, STAINLESS STEEL	E18B
A1400902	HIGH LIMIT CAPILLARY CLAMP	ALL
A1900104	CHANNEL STRIP #14-2	E14
A1900114	CHANNEL STRIP #18-2	E14
A2502503	DRAIN OUTLET NIPPLE, 1-1/4"	E14,E14B,E18
A2601502	INTERLOCK SWITCH COVER	ALL
A2603206	ELEMENT HOUSING BOX COVER	E14,E14B
A2603208	ELEMENT HOUSING BOX COVER	E18,E18B
A2900601	ENTRANCE BOX COVER	ALL
A3301001	CLEAN OUT ROD	ALL
A6684601	FILTER INSULATION PICK-UP	SF50A,SF65A
A6685401	FILTER INSULATOR TOP	SF50A,SF65A
B2301204	DOOR, UNIVERSAL, STAINLESS STEEL OUTSIDE	E12
B2301205	DOOR, UNIVERSAL, STAINLESS STEEL OUTSIDE	E14,E14B
B2301206	DOOR, UNIVERSAL, STAINLESS STEEL OUTSIDE	E18,E18B
B2800703-1	ELEMENT RACK	E12
B2800704-1	ELEMENT RACK	E14X
B2800706-1	ELEMENT RACK	E14B,E14
B2800708-1	ELEMENT RACK	E18
B2800710-1	ELEMENT RACK	E18B
B3900408	LEG, ADJUSTABLE, 7"	ALL
B3900909	LEG, ADJUSTABLE 6"	ALL
B6601802	CRUMB CATCH	SF50,SF65
B6601901	CRUMB CATCH RETAINER	E14 BIF
B6601902	CRUMB CATCH RETAINER	E18BIF
B6602803	RETURN HOSE NEW STYLE SF50	SF50
B6602804	RETURN HOSE NEW STYLE SF65	SF65
B6603601	CLIP, SCREEN	SF50,SF65
B6603701	SUPPORT RACK, TOP	SF50,SF65
B6603801	SUCTION TUBE	SF50,SF65
B6603901	FILTER QUICK DISCONNECT ADAPTER	SF50,SF65
B6617001	FILTER SCREEN CLIP	SF50A,SF65A
B6620001	FILTER RACK	SF50A,SF65A
B6621001	FILTER PAN, WELDMENT	SF50A
B6621002	FILTER PAN, WELDMENT	SF65A
B6621202	FILTER CATCH, CRUMB, WELDMENT	SF50A,SF65A
B6621301	FILTER COVER, PAN, WELDMENT	SF50A
B6621302	FILTER COVER, PAN, WELDMENT	SF65A
B6621701	FILTER, TUBE SUCTION, COMPLETE	SF50A,SF65A
B6622001	FILTER HOSE UFM EXCEPT RPB	SF50A,SF65A
B6622002	FILTER HOSE UFM FOR RPB	SF50A,SF65A

NUMERICAL PART LIST (Continued)

Pitco Frialator Part No.	Part Description	Models Used on
B6622301	HOSE ASSEMBLY WITH QUICK DISCONNECT	SF50A.SF65A
B6622801	FILTER RETURN INSULATION DISCONNECT	SF50A.SF65A
B7230201	HINGE, DOOR-TOP LH	ALL
B7230202	HINGE, DOOR-TOP, RH	ALL
B7230301	HINGE, DOOR-BOTTOM LH	ALL
B7230302	HINGE, DOOR-BOTTOM RH	ALL
B7361701	COUNTER BALANCE BEARING ASSEMBLY	E14,E14B, E18.E18B
B7361803	COUNTER BALANCE HINGE BRACKET	E14
B7361804	COUNTER BALANCE HINGE BRACKET	E14B.E18
B7370101	HIGH LIMIT COVER	ALL
B7370402	HIGH LIMIT BULB CLAMP	ALL
B7370403	PROBE STANDOFF CLAMP	ALL
B7472909	LEG, ADJUSTABLE 8"	ALL
P0101200	COVER SCREWS	ALL
P5044850	MODULE 8 PROD 14/18-884 NAT	E14.E18
P5044851	MODULE 1 PROD 14/18-184 NAT	E14.E18
P5044852	MODULE 1 PROD 14/18-184 REBUILT	E14,E18
P5044853	MODULE 8 PROD 7-884 REBUILT	E7
P5044854	MODULE 8 PROD 14/18-884 REBUILT	14,18
P5044855	MODULE 8 PROD 7-884 NAT	E7
P5044856	MODULE 1 PROD 7-184 NAT	E7
P5044857	MODULE 1 PROD 7-184 REBUILT	E7
P5045161	LOCK ARM TIP	ALL
P5045241	GROUND CLAMP	ALL
P5045701	FUSE 40 AMP	E14.E14B.E18
P5045702	FUSE 50 AMP	E18B
P5045792	FUSE HOLDER	ALL
P5045826	PLUG - 9 POLE MALE	ALL
P5046381	PUMP/MOTOR ASSEMBLY, 115/230 VAC	ALLBIF
P5046900	HEATING ELEMENT	E18-480V
P5046901	HEATING ELEMENT	EI 8-208V
P5046902	HEATING ELEMENT	E18-240V
P5046903	HEATING ELEMENT	E18B-208V
P5046904	HEATING ELEMENT	E18B-240V
P5046915	HEATING ELEMENT	E14B,E7-208V
P5046916	HEATING ELEMENT	E14B,E7-240V
P5046919	HEATING ELEMENT	EI 4-480V
P5046920	HEATING ELEMENT	E14-208V
P5046921	HEATING ELEMENT	E14-240V
P5046923	HEATING ELEMENT	E12-208V
P5046924	HEATING ELEMENT	E12-240V
P5046951	HEATING ELEMENT	EI 2-480 V
P5046952	HEATING ELEMENT	E18B-480V

NUMERICAL PART LIST (Continued)

Pitco Frialator Part No.	Part Description	Models Used on
P5046960	HEATING ELEMENT	E14B,E7-480V
P5047170	INTERLOCK SWITCH	ALL
P5047216	HIGH LIMIT SWITCH	ALL
P5047303	TERMINAL BLOCK (TB3)	ALL
P5047305	TERMINAL BLOCK (TB2)	ALL
P6071062	CASTER (4/FILTER)	ALLUFM
P6071122	PICKUP QUICK DISCONNECT, FEMALE, NO/RING	SF50,SF65
P6071123	PICKUP QUICK DISCONNECT, MALE	SF50,SF65
P6071270	THERMOSTAT KNOB	ALL
P6071300	DOOR MAGNET	ALL
P6071371	FILTER PAPER 13-1/2" X 24"	E7-E14 BIF
P6071373	FILTER PAPER 17-1/2" X 28"	E18-E34BIF
P6071516	DOOR HANDLE	ALL
P6071636	SPRING	ALL
P6071769	DRAIN VALVE	E12
P6071770	DRAIN VALVE, 1-1/2" FULL PORT	E18B
P6071780	VALVE, BALL 3/8" PLTD W/O HANDLE	ALL
P6071785	DRAIN VALVE, 1-1/4" STANDARD	E14,E14B, E18,E18B
P6072123	SQUARE BASKETS, REGULAR MESH	E12
P6072124	SQUARE BASKETS, FINE MESH	E12
P6072124	SQUARE BASKETS, FINE MESH	E12
P6072125	TWIN BASKETS, REGULAR MESH	E12
P6072126	TWIN BASKETS, FINE MESH	E12
P6072143	SQUARE BASKETS, REGULAR MESH	E14,E14B
P6072144	SQUARE BASKETS, FINE MESH	E14,E14B
P6072145	TWIN BASKETS, REGULAR MESH	E14,E14B
P6072146	TWIN BASKETS, FINE MESH	E14,E14B
P6072165	CRUMB CATCH BASKET	ALL BIF
P6072183	SQUARE BASKETS, REGULAR MESH	E18
P6072184	TWIN BASKETS. REGULAR MESH	E18
P6072187	SQUARE BASKETS, FINE MESH	E18
P6072188	TWIN BASKETS, FINE MESH	E18
P6700602	THERMOSTAT PROBE	E12,E14 ALL,E18
PP10032	GASKET, DRAIN LINE (SLEEVE)	ALL
PP10032	GASKET, DRAIN LINE (SLEEVE)	ALL
PP10034	CLAMP, BAND (FILTER)	ALL
PP10039	HEAT TAPE, 1/2" X 79", 110 VAC, 165 W	SF50,SP65
PP10048	HANDLE, VALVE 3/8 BALL, COATED RED	ALL
PP10049	HANDLE, VALVE 3/8 BALL, COATED BLUE	ALL
PP10050	HANDLE, VALVE 3/8 BALL, COATED YELLOW	ALL
PP10082	LAMP, 125 VAC AMBER RECTANGULAR	ALLUFM
PP10098	SWITCH , ROCKER, DPDT (ON-OFF-ON)	SF50,SF65

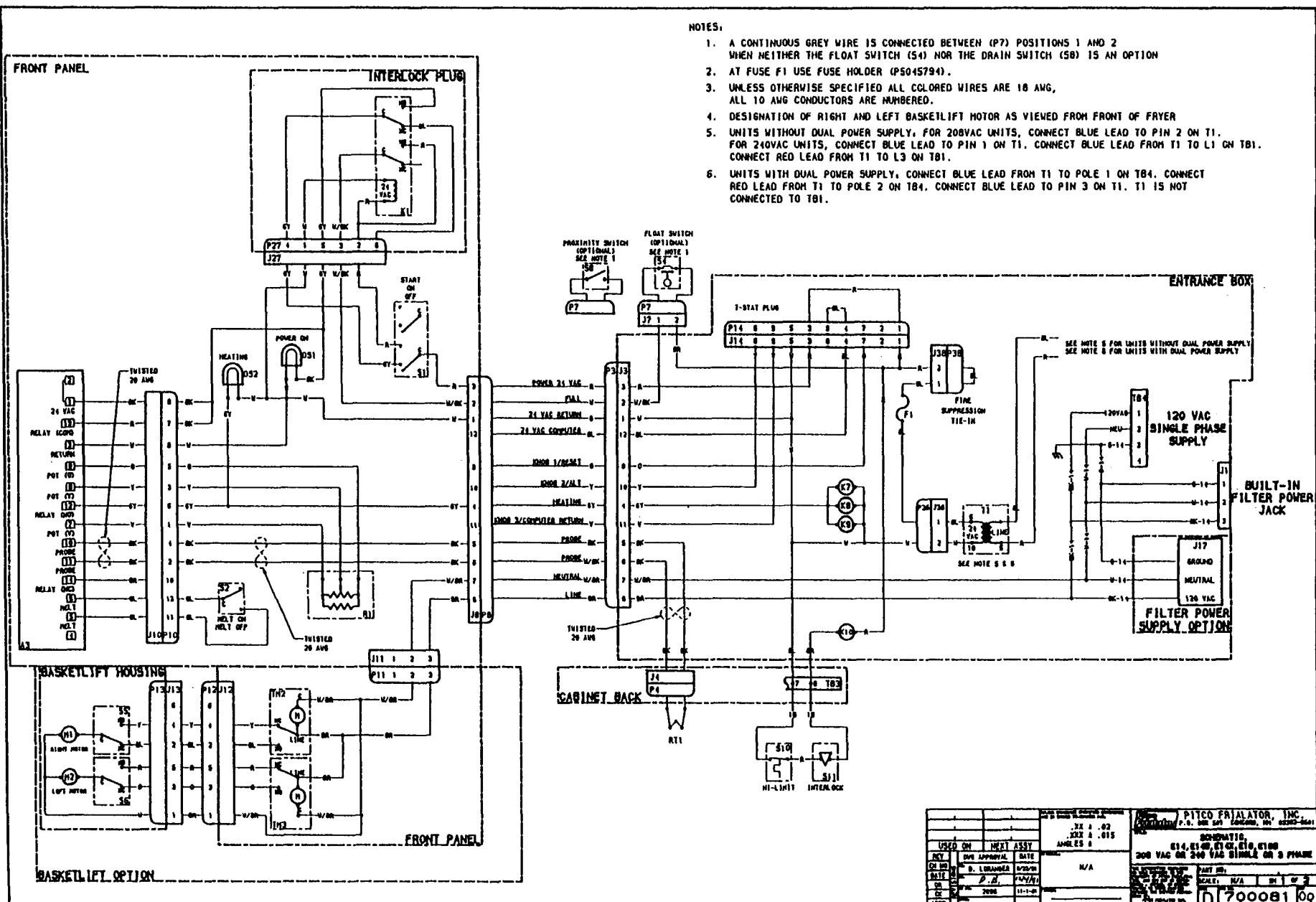
NUMERICAL PART LIST (Continued)

Pitco Frialator Part No.	Part Description	Models Used on
PP10099	HEATER, SILICONE, 120 VAC, 250 W	SF50,SF65
PP10101	PUMP/MOTOR ASSEMBLY, 115/230 VAC, 60HZ, 1/3 HP	ALLUFM
PP10103	RECEPTACLE, 3 PRONG, 15A, 125 VAC	ALL UFM
PP10104	CIRCUIT BREAKER, 10 AMP	ALL BIF
PP10111	O-RING, VITON .50 ID X .688 X .094W	SF50A, SF65A
PP10113	FEMALE QUICK DISCONNECT (BLACK DONUT)	SF50,SF65
PP10122	FUSE 1 AMP SLOW BLOW GLASS	ALL
PP10194	HEAT TAPE, 110 VAC, 120 W	SF50,SF65
PP10331	LAMP, 125 VAC GREEN RECTANGULAR	SF50A,SF65A
PP10439	CORD, PLUG-RETRACTILE 16-3 SJO	14.18UFM
PP10460	SWITCH, ROCKER CIRCUIT BREAKER SPST, 8A, 125 VAC	SF50A,SF65A
PP10470	CIRCUIT BREAKER, 4 AMP. DOUBLE POLE	240V UFM
PP10539	KNOB, 200-400 OFF ELECTRIC	ALL
PP10553	CONTACTOR. MERCURY-40AMP 24 VAC 5PST-NO	ALL
PP10560	CONTACTOR, DEFINITE PURPOSE 40AMP 24 VAC 3PST-NO	ALL
PP10606	FILTER PAPER, HEAVY DUTY, 17-1/2" X 28"	E18-E34BIF
PP10612	FILTER PAPER. HEAVY DUTY, 13-1/2" X 24"	E7-E14 BIF
PP10613	FILTER ENVELOPE 18" X 20-1/2"	ALLUFM
PP10735	SWITCH, ROCKER DPST 15A, WITH BREAKER	SF50A,SF65A
PP10739	THERMOSTAT, SNAP DISK	SF50A,SF65A
PP10741	FILTER QD SNP 23 NIPPLE	SF50A,SF65A
PP10808	CASTER WITHOUT LOCK 6"	ALL
PP10809	CASTER WITH LOCK 6"	ALL
PP10810	CASTER ASSEMBLY 7" WITHOUT LOCKING DEVICE	ALLUFM
PP10811	CASTER ASSEMBLY 7" WITH LOCKING DEVICE	ALLUFM
SPECIAL ORDER	ELEMENT WIRES	ALL
SPECIAL ORDER	FAT CONTAINER	ALL

Chapter 6: Schematics

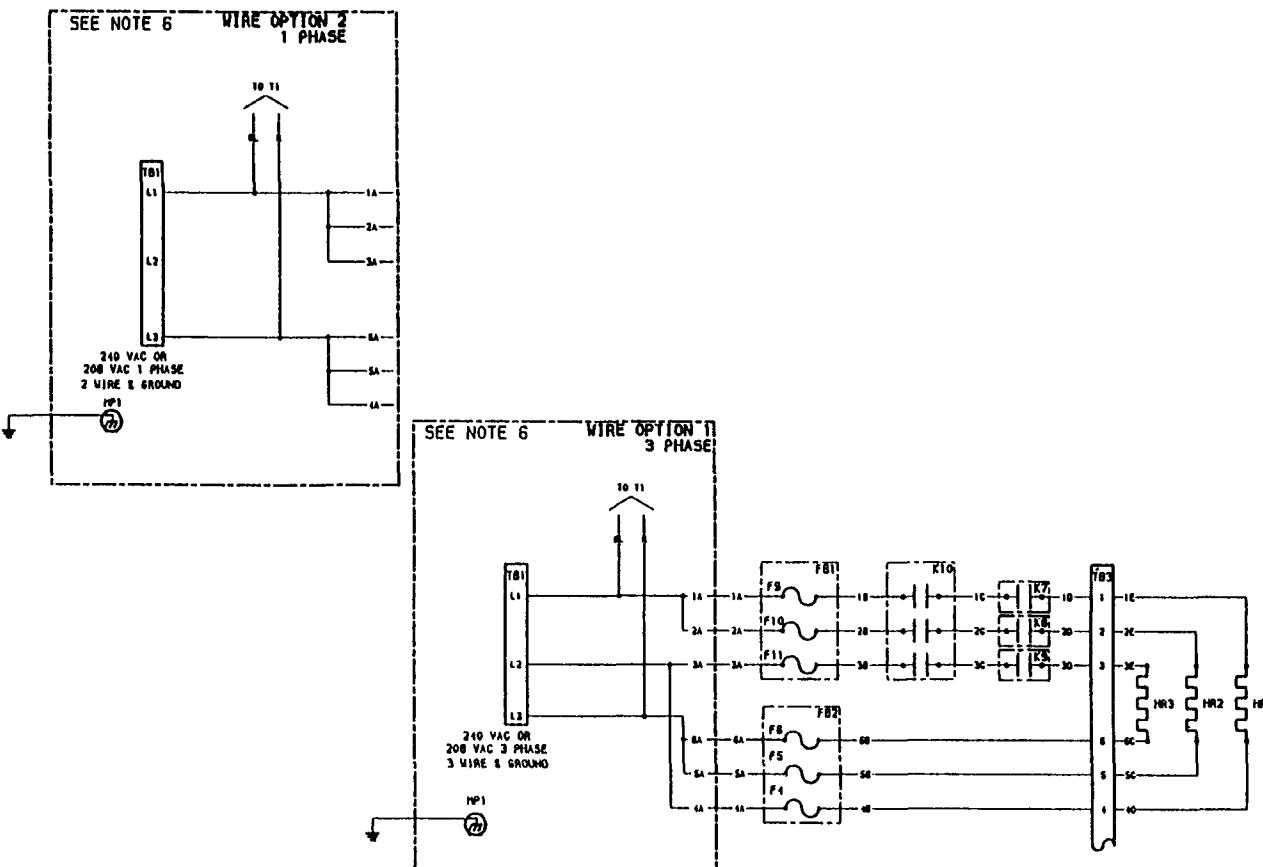
Schematic Description	Schematic Number
SCHEMATIC, E14, E14B, E14X, E18, E18B 208 VAC OR 240 VAC SINGLE OR 3 PHASE	700081
SCHEMATIC, E14, E14B, E14X, E18, E18B 480 VAC 3 PHASE	700082
SCHEMATIC, E14, E14B, E14X, E18, E18B 208 VAC OR 380/220 or 415/240 VAC 3 PHASE 4 WIRE (Y CONNECT), 220 VAC 3 PHASE 3 WIRE (DELTA CONNECT) AND 220 VAC SINGLE PHASE 2 WIRE	700083
SCHEMATIC, E12 - ALL OPTIONS	700084
SCHEMATIC, E7 208 VAC OR 240 VAC SINGLE PHASE	700087
SCHEMATIC, E7 480 VAC SINGLE PHASE	700088
SCHEMATIC, E7 220 VAC OR 240 VAC SINGLE PHASE	700089
SCHEMATIC, E7B ALL OPTIONS	700090
SCHEMATIC, E7 208 VAC OR 240VAC 3 PHASE (INTERNATIONAL ONLY)	700092
SCHEMATIC, E7 380/220 or 415/240 VAC 3 PHASE 4 WIRE (Y CONNECT), 220 VAC 3 PHASE 3WIRE (DELTA CONNECT)	700093
SCHEMATIC, E14, E14B, E14X, E18, E18B W/T-STAT BEHIND DOOR 208 VAC OR 240 VAC SINGLE OR 3 PHASE	700094
SCHEMATIC, E14, E14B, E14X, E18, E18B W/T-STAT BEHIND DOOR 480 VAC 3 PHASE	700095
SCHEMATIC, E14-E18B W/T-STAT BEHIND DOOR 380/220 or 415/240 VAC 3 PHASE 4 WIRE (Y CONNECT), 220 VAC 3 PHASE 3 WIRE (DELTA CONNECT) AND 220 VAC SINGLE PHASE 2 WIRE	700096
SCHEMATIC, E7 W/T-STAT BEHIND DOOR 208 VAC OR 240 VAC SINGLE PHASE	700100
SCHEMATIC, E7 W/T-STAT BEHIND DOOR 480 VAC SINGLE PHASE	700101
SCHEMATIC, E7 W/T-STAT BEHIND DOOR 220 VAC OR 240 VAC SINGLE PHASE	700102
SCHEMATIC, E7 W/T-STAT BEHIND DOOR 208 VAC OR 240 VAC THREE PHASE (INTERNATIONAL ONLY)	700105
SCHEMATIC, E7 W/T-STAT BEHIND DOOR 380/220 or 415/240 VAC 3 PHASE 4 WIRE (Y CONNECT), 220 VAC 3 PHASE 3 WIRE (DELTA CONNECT)	700106
SCHEMATIC, E14, E14B, E14X, E18, E18B W/COMPUTER 208 VAC OR 240 VAC SINGLE OR 3 PHASE	700107
SCHEMATIC, E14, E14B, E14X, E18, E18B W/COMPUTER 480 VAC 3 PHASE	700108
SCHEMATIC, E14, E14B, E14X, E18, E18B W/COMPUTER 380/220 or 415/240 3 PHASE 4 WIRE (Y CONNECT), 220 VAC 3 PHASE 3 WIRE (DELTA CONNECT) AND 220 VAC SINGLE PHASE 2 WIRE	700109
SCHEMATIC, E7 W/COMPUTER 208 VAC OR 240 VAC SINGLE PHASE	700113
SCHEMATIC, E7 W/COMPUTER 480 VAC SINGLE PHASE	700114

Schematic Description	Schematic Number
SCHEMATIC, E7 W/COMPUTER 220 VAC OR 240 VAC SINGLE PHASE	700115
SCHEMATIC, E7 W/COMPUTER 208 VAC OR 240 VAC 3 PHASE (INTERNATIONAL ONLY)	700118
SCHEMATIC, E7 W/COMPUTER 380/220 or 415/240 VAC 3 PHASE 4 WIRE (Y CONNECT), 220 VAC 3 PHASE 3 WIRE (DELTA CONNECT)	700119
SCHEMATIC, FILTER - SF50A, SF65A 115 VAC	700141
SCHEMATIC, FILTER - SF50A, SF65A 220 VAC	700144
SCHEMATIC, FILTER - SF50A, SF65A 240 VAC	700145
SCHEMATIC, FILTER 115 VAC 60 HZ OPTION W/O HEATER	700150
SCHEMATIC, FILTER 115 VAC 60 HZ OPTION W HEATER	700151



MODEL E14 (16 SKU, 5 SKU ELEMENTS)			MODEL E14B (21KV, 7KV ELEMENTS)			MODEL E14X (13 SKU, 4 SKU ELEMENTS)			MODEL E18 (18KV, 6KV ELEMENTS)			MODEL E18B (24KV, 8KV ELEMENTS)		
VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3
208	L1-79.4 AMPS		208	L1-101 AMPS	PS046920	208	L1-65.0 AMPS	PS046913	208	L1-86.5 AMPS	PS046901	208	L1-115.4 AMPS	PS046903
1 PHASE	L3-79.4 AMPS		1 PHASE	L3-101 AMPS		1 PHASE	L3-65.0 AMPS		1 PHASE	L3-86.5 AMPS		1 PHASE	L3-115.4 AMPS	
2 WIRE & GND	L3-79.4 AMPS	PS046920	2 WIRE & GND	L3-101 AMPS		2 WIRE & GND	L3-65.0 AMPS		2 WIRE & GND	L3-86.5 AMPS		2 WIRE & GND	L3-115.4 AMPS	
240	L1-68.8 AMPS		240	L1-87.5 AMPS	PS046921	240	L1-56.2 AMPS	PS046914	240	L1-75.0 AMPS	PS046902	240	L1-100.0 AMPS	PS046904
1 PHASE	L3-68.8 AMPS		1 PHASE	L3-87.5 AMPS		1 PHASE	L3-56.2 AMPS		1 PHASE	L3-75.0 AMPS		1 PHASE	L3-100.0 AMPS	
2 WIRE & GND	L3-68.8 AMPS	PS046921	2 WIRE & GND	L3-87.5 AMPS		2 WIRE & GND	L3-56.2 AMPS		2 WIRE & GND	L3-75.0 AMPS		2 WIRE & GND	L3-100.0 AMPS	
208	L1-15.8 AMPS		208	L1-58.2 AMPS	PS046920	208	L1-37.4 AMPS	PS046913	208	L1-50.0 AMPS	PS046901	208	L1-66.6 AMPS	PS046903
3 PHASE	L2-15.8 AMPS		3 PHASE	L2-58.2 AMPS		3 PHASE	L2-37.4 AMPS		3 PHASE	L2-50.0 AMPS		3 PHASE	L2-66.6 AMPS	
3 WIRE & GND	L3-15.8 AMPS	PS046920	3 WIRE & GND	L3-58.2 AMPS		3 WIRE & GND	L3-37.4 AMPS		3 WIRE & GND	L3-50.0 AMPS		3 WIRE & GND	L3-66.6 AMPS	
240	L1-39.7 AMPS		240	L1-59.5 AMPS	PS046921	240	L1-32.4 AMPS	PS046914	240	L1-43.3 AMPS	PS046902	240	L1-57.7 AMPS	PS046904
3 PHASE	L2-39.7 AMPS		3 PHASE	L2-59.5 AMPS		3 PHASE	L2-32.4 AMPS		3 PHASE	L2-43.3 AMPS		3 PHASE	L2-57.7 AMPS	
3 WIRE & GND	L3-39.7 AMPS	PS046921	3 WIRE & GND	L3-59.5 AMPS		3 WIRE & GND	L3-32.4 AMPS		3 WIRE & GND	L3-43.3 AMPS		3 WIRE & GND	L3-57.7 AMPS	

TABLE I



PART NO.	DESCRIPTION	QTY
NOMENCLATURE		
RT1	PS044881 PROBE, THERMISTOR -100K	1
TH2, TH3	PS047581 TIMER, 120VAC 60 HZ 15 MIN (8/L)	2
T04	PS04582 TERM BLOCK, 4 POST-BARRIER	1
T03	PS047303 TERM BLOCK, 8 POST (ELEMENT)	1
T01	PS047301 TERM BLOCK, 3 POST-ENTRANCE	1
T1	PP10429 XFMR, BOVA-120/208/240V TO 24V	1
S11	PS047170 SWITCH, INTERLOCK	1
S10	PS047216 SWITCH, HI TEMPERATURE LIMIT	1
S8	PP10262 SWITCH, PROXIMITY SENSOR (GVI CHLY)	1
S5, S6	PS047169 SWITCH, ROLLER-SPOT (BASKETLIFT)	2
S4	PS047217 SWITCH, FLOAT (OPTIONAL)	1
S2	PP10093 SWITCH, ROCKER - SPOT (ON-ON)	1
S1	PP10558 SWITCH, ROCKER-DPDT 5/8K (0-1-1-1)	1
A1	PS045882 POTENTIOMETER, 900Ω	1
P14	PS045860 CONNECTOR, PLUG-8 PIN HOLEX	1
P12, P13, P27	PP10204 CONNECTOR, PLUG-8 PIN HOLEX	3
P11	PP10090 CONNECTOR, PLUG-3 PIN HOLEX	1
P4, P7, P36, P39	PS045829 CONNECTOR, PLUG-6 PIN HOLEX	4
P3, P8, P10	PP10208 CONNECTOR, PLUG-12 PIN HOLEX	3
H1	PS045241 LUG, GROUND #8-2 AWG	1
H2	B5600801 B/L, MOTOR ASSY LH - 120 VAC	1
R1	PS046380 ROTCH, GEAR-120VAC 60 HZ (8/L)	1
K10	PP10560 CONTACTOR, DEF PURP-40AMP 24VAC 3PST-NO	1
K7-K9	PP10553 CONTACTOR, MERCURY-40AMP 24VAC SPST-NO	3
K1	PS046886 RELAY, 24 VAC - DPDT W/HG TABS	1
J17	PP10103 RECEPTACLE, 3 PRONG (OPTIONAL)	1
J14	PS045838 CONNECTOR, JACK-9 SKT HOLEX	1
J12, J13, J27	PP10205 CONNECTOR, JACK-9 SKT HOLEX	3
J4, J7, J36, J30	PS045839 CONNECTOR, JACK-2 SKT HOLEX	4
J3, JB, J10	PP10208 CONNECTOR, JACK-12 SKT HOLEX	3
J1, J11	PP10089 CONNECTOR, JACK-3 SKT HOLEX	2
HR1-HR3	SEE TABLE I ELEMENT, TUBULAR	3
F81, F82	PS045792 FUSE BLOCK, 3 POST	2
F4-F8, F9-F11	PS045701 FUSE, 4 AMP-SLOW BLOW (GLASS)	6
F1	PS045720 FUSE, 4 AMP-SLOW BLOW (GLASS)	1
O52	PS045014 LAMP, RECTANGULAR - AMBER 24 VAC	1
O51	PS045043 LAMP, RECTANGULAR - CLEAR 24 VAC	1
A3	PP10562 CONTROLLER, 60 - 24 VAC ON-45 OFF-265	1
PARTS LIST		

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CHECKED BY: [Signature]
APPROVED BY: [Signature]

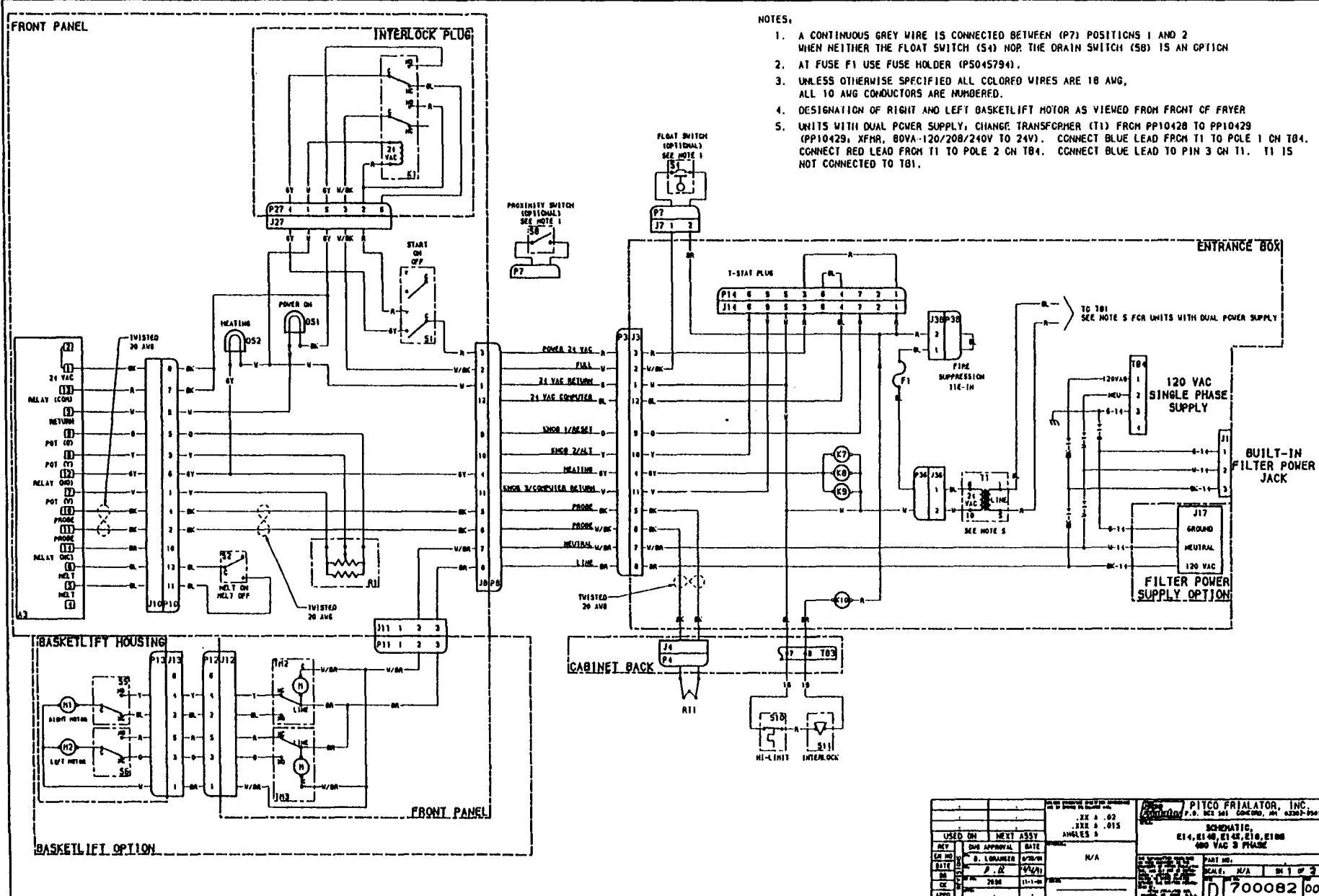
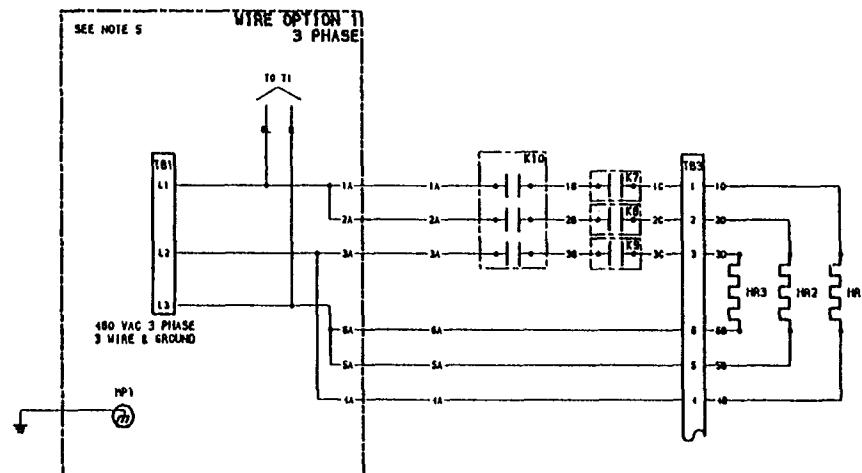


TABLE I

MODEL E14 (18 KV, 5 SKV ELEMENTS)	MODEL E14B (21KV, 7KV ELEMENTS)	MODEL E14X (19 KV, 4 SKV ELEMENTS)	MODEL E10 (18KV, 5KV ELEMENTS)	MODEL E10 (24KV, 8KV ELEMENTS)							
VOLTAGE	LINE/AMPS	HRI-HR3	VOLTAGE	LINE/AMPS	HRI-HR3	VOLTAGE	LINE/AMPS	HRI-HR3	VOLTAGE	LINE/AMPS	HRI-HR3
480	L1-19.5 AMPS		480	L1-25.3 AMPS		480	L1-16.2 AMPS		480	L1-21.7 AMPS	
3 PHASE	L2-19.8 AMPS	P5046919	3 PHASE	L2-25.3 AMPS	P5046960	3 PHASE	L2-16.2 AMPS	P5046917	3 PHASE	L2-21.7 AMPS	P5046900
3 WIRE & GND	L3-19.9 AMPS		3 WIRE & GND	L3-25.3 AMPS		3 WIRE & GND	L3-16.2 AMPS		3 WIRE & GND	L3-21.7 AMPS	

ARTICLE	ITEM NO.	DESCRIPTION	QTY
T1	PS044881	PROBE, THERMISTOR -100K	1
TM2, TM3	PS047581	TIMER, 120VAC 60 HZ 15 MIN (G/L)	2
T84	PS052582	TERM BLOCK, 4 POST-BARRETTER	1
T83	PS047303	TERM BLOCK, 8 POST (ELEMENT)	1
T81	PS047301	TERM BLOCK, 3 POST-ENTRANCE	1
T1	PP19420	XFRM, BOVA-380/410/480V TO 24V	1
S11	PS047170	SWITCH, INTERLOCK	1
S10	PS047218	SWITCH, HI TEMPERATURE LIMIT	1
S9	PP10262	SWITCH, PROXIMITY SENSOR (OVI ONLY)	1
S5, S8	PS047169	SWITCH, ROLLER-SPOUT (BASKET) (PT)	2
S4	PS047217	SWITCH, FLOAT (OPTIONAL)	1
S2	PP10093	SWITCH, ROCKER - SPOT (ON-ON)	1
S1	PP10559	SWITCH, ROCKER-SPOT W/OK (0-1-11)	1
R1	PS045882	POTENTIOMETER, 500Ω	1
P14	PS045860	CONNECTOR, PLUG-9 PIN HOLEX	1
P12, P13, P27	PP10204	CONNECTOR, PLUG-6 PIN HOLEX	3
P11	PP10090	CONNECTOR, PLUG-3 PIN HOLEX	1
P1, P7, P36, P38	PS045823	CONNECTOR, PLUG-2 PIN HOLEX	4
P3, P6, P10	PP10208	CONNECTOR, PLUG-12 PIN HOLEX	3
M1	PS045241	LUG, GROUND - #8 AWG	1
M2	BSE00801	B/L, MOTOR ASSY LH - 120 VAC	1
M1	PS046380	MOTOR, GEAR-120VAC 60 HZ (B/L)	1
K10	PP10560	CONTACTOR, DEF PUMP-40AMP 24VAC 3PST-HO	1
K7-K9	PP10553	CONTACTOR, MERCURY-40AMP 24VAC SPST-NO	3
K1	PS046886	RELAY, 24 VAC - DPDT V/H16 TABS	1
J17	PP10103	RECEPTACLE, 3 PRONG (OPTIONAL)	1
J11	PS045830	CONNECTOR, JACK-8 SKT HOLEX	1
J12, J13, J27	PP10205	CONNECTOR, JACK-B SKT HOLEX	3
J4, J7, J36, J38	PS045833	CONNECTOR, JACK-2 SKT HOLEX	4
J5, J8, J10	PP10209	CONNECTOR, JACK-12 SKT HOLEX	3
J1, J11	PP10089	CONNECTOR, JACK-3 SKT HOLEX	2
HRI-HR3	SEE TABLE 1	ELEMENT, TUBULAR	3
F1	PS045720	FUSE, 4 AMP-SLOW BLOW (GLASS)	1
OS2	PS045044	LAMP, RECTANGULAR - AMBER 24 VAC	1
OS1	PS045043	LAMP, RECTANGULAR - CLEAR 24 VAC	1
A3	PP10562	CONTROLLER, 60 - 24 VAC ON-45 OFF-263	1
NOMENCLATURE		PART NO.	DESCRIPTION
PARTS LIST			



SEARCHED	INDEXED
SERIALIZED	FILED
APR 2 1968	
FBI - BOSTON	

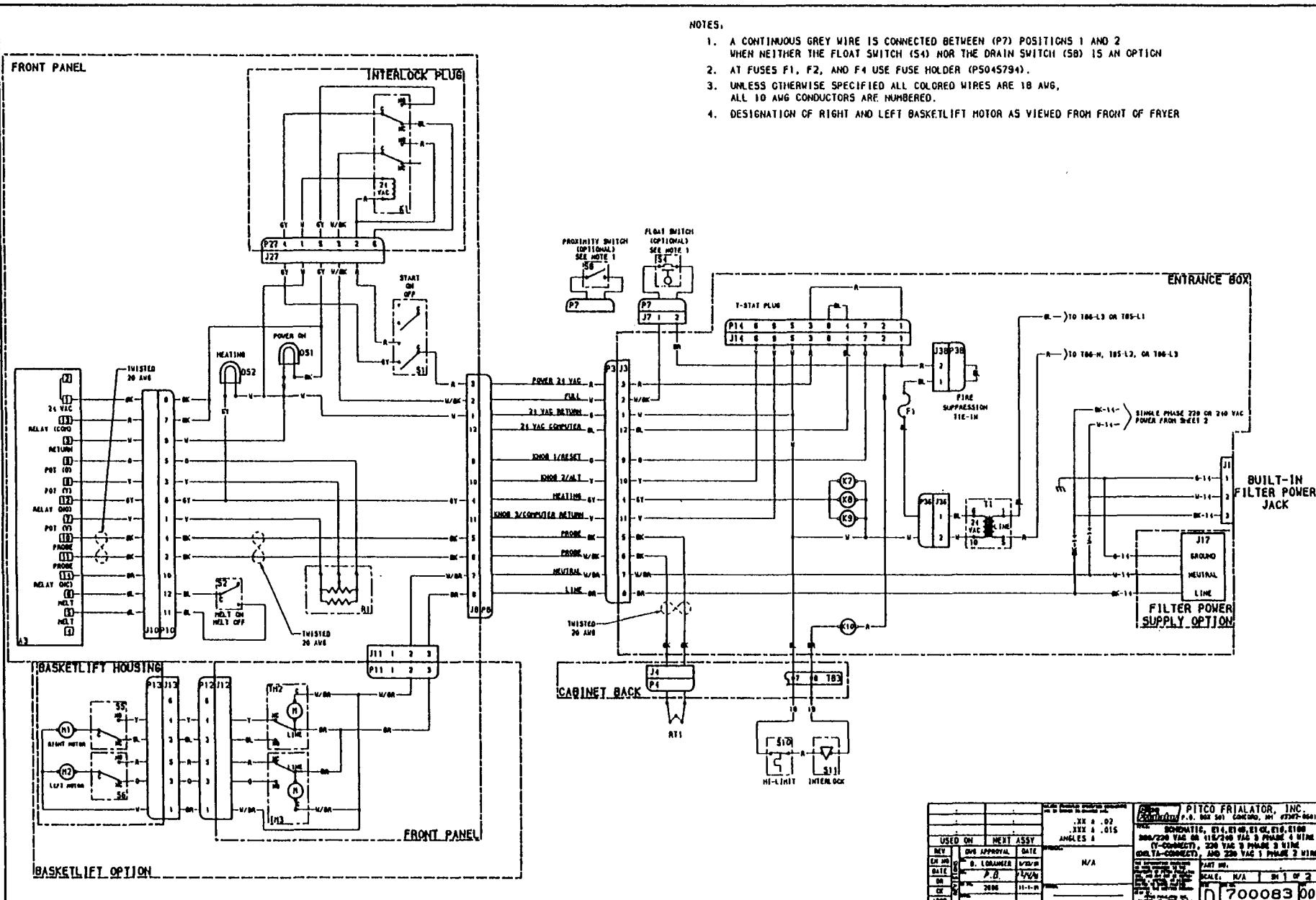


TABLE I														
MODEL E14			MODEL E14B			MODEL E14C			MODEL E1B			MODEL E1BB		
VOLTAGE	LINE/AMPS	HRI-HR3	VOLTAGE	LINE/AMPS	HRI-HR3	VOLTAGE	LINE/AMPS	HRI-HR3	VOLTAGE	LINE/AMPS	HRI-HR3	VOLTAGE	LINE/AMPS	HRI-HR3
220 SINGLE PHASE 2 WIRE E GND	L1-15.0 AMPS L3-15.0 AMPS 3 PHASE 3 WIRE E GND (DELT A CONNECT)	PS046942 16.5KV 5.5KV/ELEMENT	220 SINGLE PHASE 2 WIRE E GND	L1-15.5 AMPS L3-15.5 AMPS 3 PHASE 3 WIRE E GND (DELT A CONNECT)	PS046940 21KV 5.5KV/ELEMENT	220 SINGLE PHASE 2 WIRE E GND	L1-15.0 AMPS L3-15.0 AMPS 3 PHASE 3 WIRE E GND (DELT A CONNECT)	PS046914 11.0KV 5.5KV/ELEMENT	220 SINGLE PHASE 2 WIRE E GND	L1-16.0 AMPS L3-16.0 AMPS 3 PHASE 3 WIRE E GND (DELT A CONNECT)	PS046902 15.2KV 5.5KV/ELEMENT	220 SINGLE PHASE 2 WIRE E GND	L1-17.0 AMPS L3-17.0 AMPS 3 PHASE 3 WIRE E GND (DELT A CONNECT)	PS046904 20.2KV 5.5KV/ELEMENT
380/220 3 PHASE 4 WIRE E GND (Y CONNECT)	L1-25.0 AMPS L2-25.0 AMPS L3-25.0 AMPS 3 PHASE 4 WIRE E GND (Y CONNECT)	PS046942 16.5KV 5.5KV/ELEMENT	380/220 3 PHASE 4 WIRE E GND (Y CONNECT)	L1-31.0 AMPS L2-31.0 AMPS L3-31.0 AMPS 3 PHASE 4 WIRE E GND (Y CONNECT)	PS046940 21KV 5.5KV/ELEMENT	380/220 3 PHASE 4 WIRE E GND (Y CONNECT)	L1-17.3 AMPS L2-17.3 AMPS L3-17.3 AMPS 3 PHASE 4 WIRE E GND (Y CONNECT)	PS046914 11.0KV 5.5KV/ELEMENT	380/220 3 PHASE 4 WIRE E GND (Y CONNECT)	L1-22.0 AMPS L2-22.0 AMPS L3-22.0 AMPS 3 PHASE 4 WIRE E GND (Y CONNECT)	PS046902 15.2KV 5.5KV/ELEMENT	380/220 3 PHASE 4 WIRE E GND (Y CONNECT)	L1-30.0 AMPS L2-30.0 AMPS L3-30.0 AMPS 3 PHASE 4 WIRE E GND (Y CONNECT)	PS046904 20.2KV 5.5KV/ELEMENT
415/240 3 PHASE 4 WIRE E GND (Y CONNECT)	L1-23.0 AMPS L2-23.0 AMPS L3-23.0 AMPS 3 PHASE 4 WIRE E GND (Y CONNECT)	PS046942 16.5KV 5.5KV/ELEMENT	415/240 3 PHASE 4 WIRE E GND (Y CONNECT)	L1-28.2 AMPS L2-28.2 AMPS L3-28.2 AMPS 3 PHASE 4 WIRE E GND (Y CONNECT)	PS046916 21KV 5.5KV/ELEMENT	415/240 3 PHASE 4 WIRE E GND (Y CONNECT)	L1-18.0 AMPS L2-18.0 AMPS L3-18.0 AMPS 3 PHASE 4 WIRE E GND (Y CONNECT)	PS046914 11.0KV 5.5KV/ELEMENT	415/240 3 PHASE 4 WIRE E GND (Y CONNECT)	L1-25.0 AMPS L2-25.0 AMPS L3-25.0 AMPS 3 PHASE 4 WIRE E GND (Y CONNECT)	PS046902 15.2KV 5.5KV/ELEMENT	415/240 3 PHASE 4 WIRE E GND (Y CONNECT)	L1-33.0 AMPS L2-33.0 AMPS L3-33.0 AMPS 3 PHASE 4 WIRE E GND (Y CONNECT)	PS046904 20.2KV 5.5KV/ELEMENT

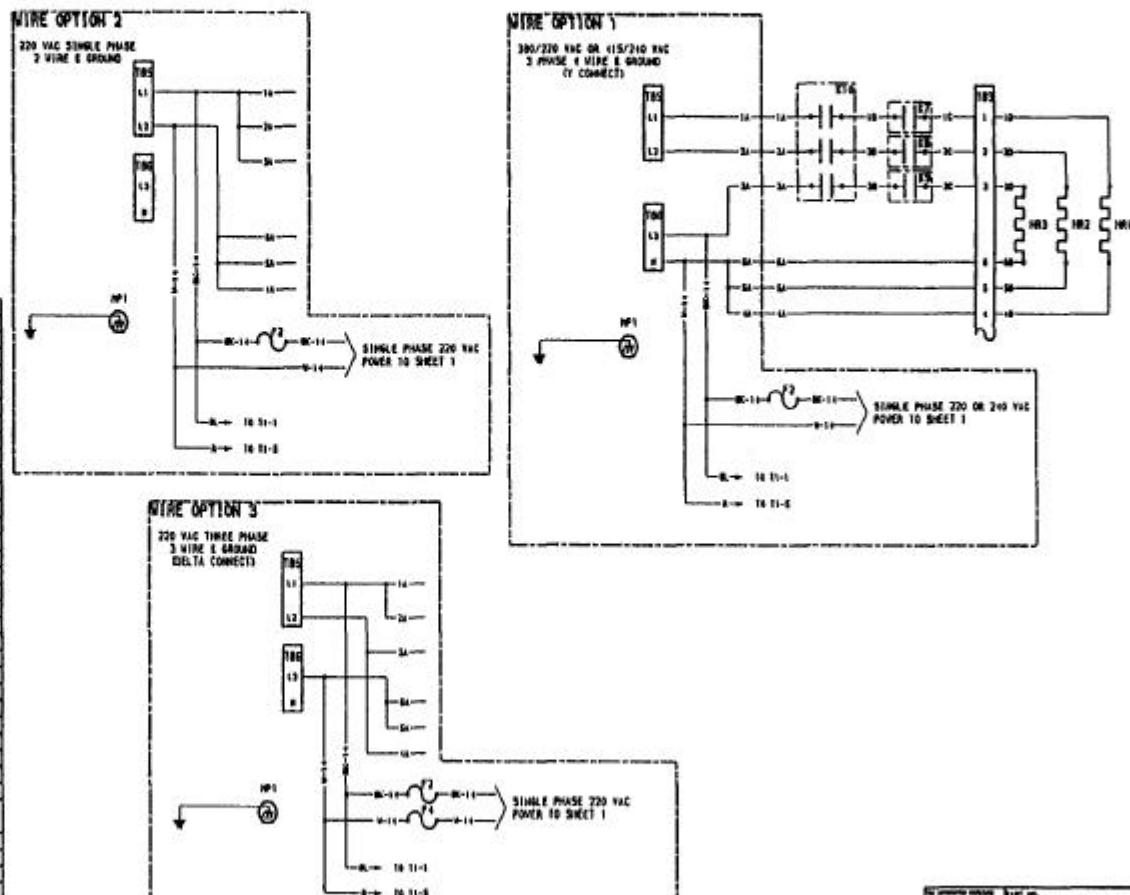
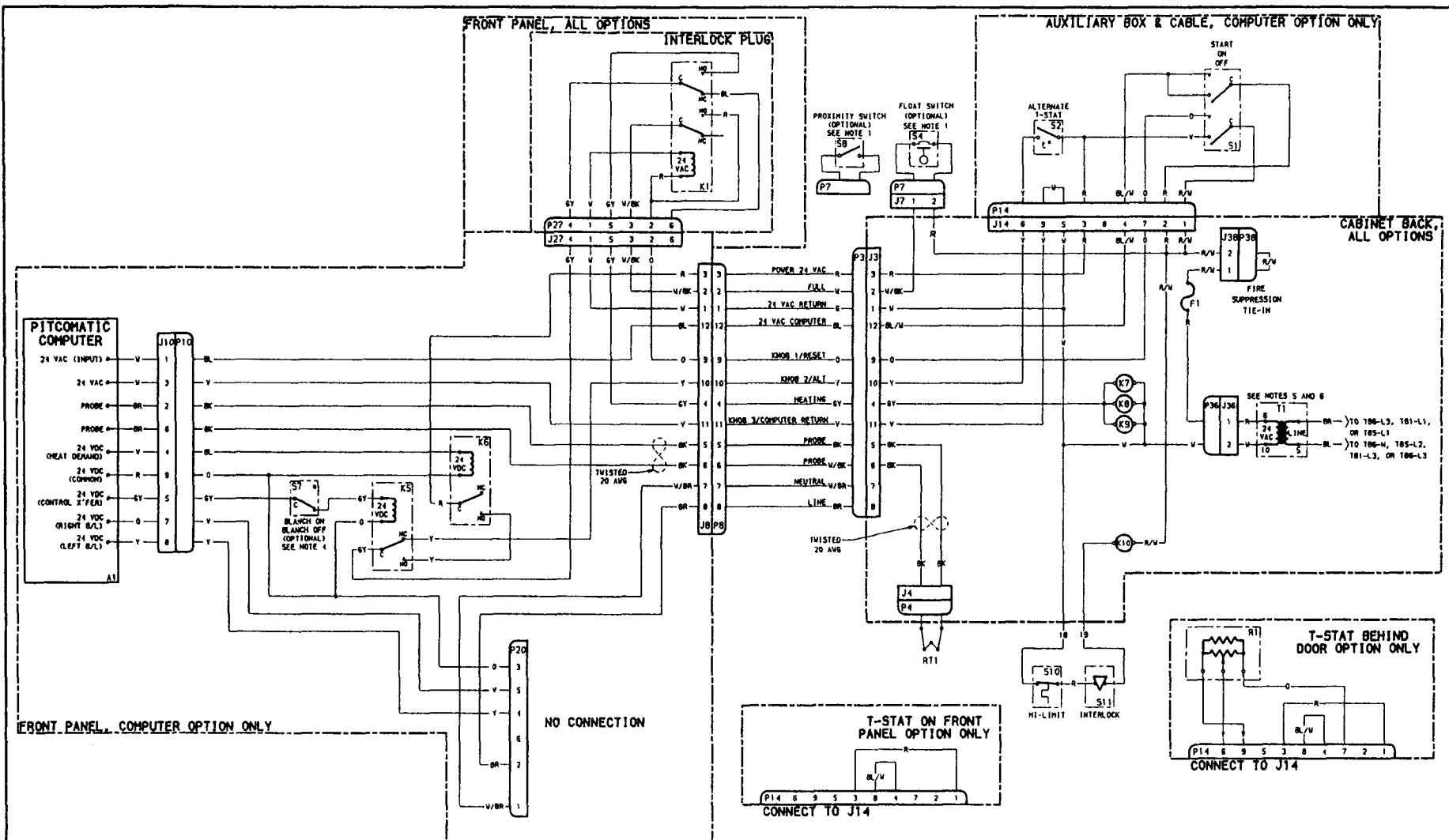
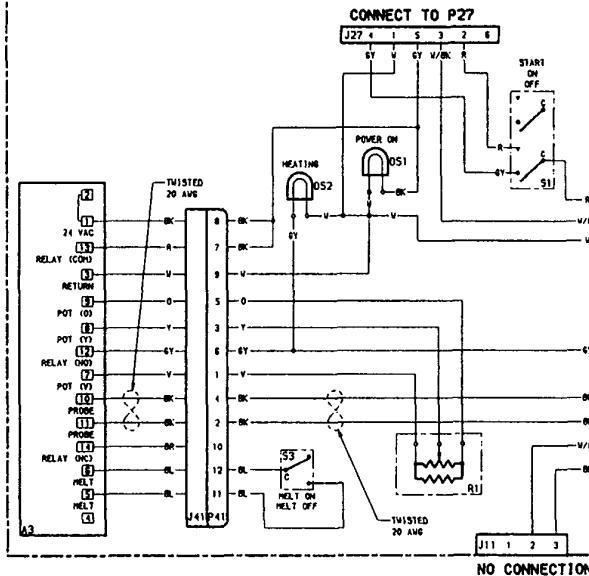


EXHIBIT 1
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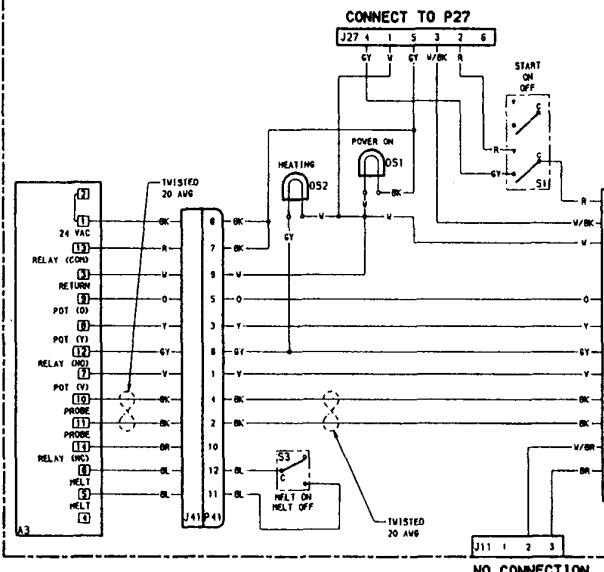


FRONT PANEL, T-STAT ON FRONT PANEL OPTION ONLY



CONNECT TO PB

FRONT PANEL, T-STAT BEHIND DOOR OPTION ONLY



CONNECT TO PE

NOTES.

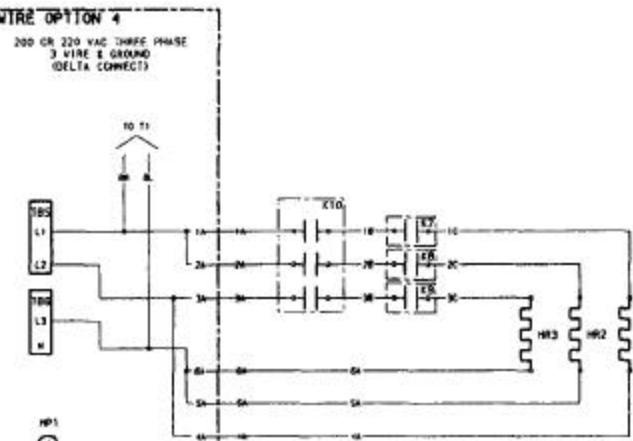
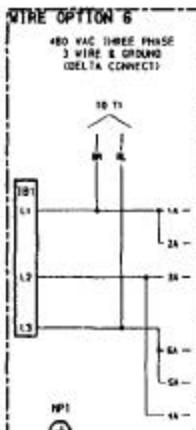
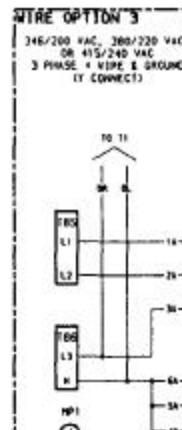
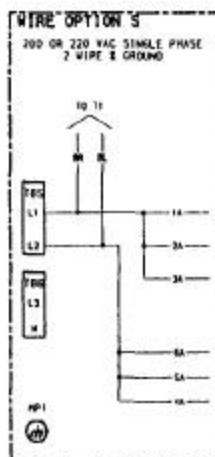
1. THE BROWN WIRE TO J7 POSITION 2 IS CONNECTED DIRECTLY TO J3 POSITION 2 INSTEAD WHEN NEITHER THE FLOAT SWITCH S4 NOR THE DRAIN SWITCH S8 IS AN OPTION
 2. AT FUSE F1 USE FUSE HOLDER PS045794.
 3. UNLESS OTHERWISE SPECIFIED ALL COLORED WIRES ARE 18 AWG.
ALL 10 AWG CONDUCTORS ARE NUMBERED.
 4. A CONTINUOUS GREY WIRE IS CONNECTED BETWEEN P10 POSITION 5 AND K5 WHEN THE
BLANCH SWITCH S7 IS NOT AN OPTION.
 5. FOR 200, 208, OR 346/200 VAC UNITS, CONNECT BROWN LEAD FROM
T81, T85, OR T86 TO PIN 2 ON T1.
FOR 220, 240, 480, 380/220 OR 415/240 VAC UNITS, CONNECT BROWN LEAD
FROM T81, T85, OR T86 TO PIN 1 ON T1.
FOR 480 VAC UNITS, T1 IS PTICO P/N PP10428. ALL OTHERS USE PP10429.
 6. UNITS WITH DUAL POWER SUPPLY, T1 IS PTICO P/N PP10429. ADD
TERMINAL BLOCK 4 (POST BARRIER, PTICO P/N PS045282) TO CABINET BACK.
USE BROWN LEAD TO CONNECT T1-3 TO TERMINAL 1 ON THE TERMINAL BLOCK.
USE BLUE LEAD TO CONNECT T1-5 TO TERMINAL 2 ON THE TERMINAL BLOCK.
T1 IS NOT CONNECTED TO T81, T85, OR T86.

RE-TRANSMISSION REQUEST	PART NO.
DO NOT RETURN TO THE PROPERTY OF PTTB PRELIMINARY TEST BOARD. THIS FORM SHOULD BE KEPT ON FILE BY THE TESTER AND MAILED TO THE PTTB PRELIMINARY TEST BOARD.	SCALE: N/A SH 2 OF 3
	700084 00

E12 POWER WIRING (INTERNATIONAL APPLICATIONS AND 480 VAC 3 PHASE NORTH AMERICAN APPLICATIONS)

TABLE 2

MODEL E12		
VOLTAGE	L1/AMP	HR1-HR3
220	L1-40.0 AMPS L2-40.0 AMPS	P5046924 8.5KW
SINGLE PHASE 2 WIRE & GND	3.0KW/ELEMENT	
380/220	L1-23.2 AMPS L2-23.2 AMPS L3-23.2 AMPS	P5046924 8.5KW
3 PHASE 3 WIRE & GND (DELTA CONNECT)	3.0KW/ELEMENT	
415/240	L1-13.3 AMPS L2-13.3 AMPS L3-13.3 AMPS	P5046924 10.5KW
4 WIRE & GND (Y CONNECT)	3.0KW/ELEMENT	
415/240	L1-14.6 AMPS L2-14.6 AMPS L3-14.6 AMPS	P5046924 10.5KW
4 WIRE & GND (Y CONNECT)	3.0KW/ELEMENT	
208	L1-48.4 AMPS L2-48.4 AMPS	P5046923 9.8KW
SINGLE PHASE 2 WIRE & GND	3.0KW/ELEMENT	
208	L1-28.0 AMPS L2-28.0 AMPS L3-28.0 AMPS	P5046923 9.8KW
3 PHASE 3 WIRE & GND (DELTA CONNECT)	3.0KW/ELEMENT	
346/200	L1-16.1 AMPS L2-16.1 AMPS L3-16.1 AMPS	P5046923 9.8KW
4 WIRE & GND (Y CONNECT)	3.0KW/ELEMENT	
480	L1-12.6 AMPS L2-12.6 AMPS L3-12.6 AMPS	P5046951 10.5KW
3 PHASE 3 WIRE & GND (DELTA CONNECT)	3.0KW/ELEMENT	



E12 POWER WIRING (208 AND 240 VAC NORTH AMERICAN APPLICATIONS)

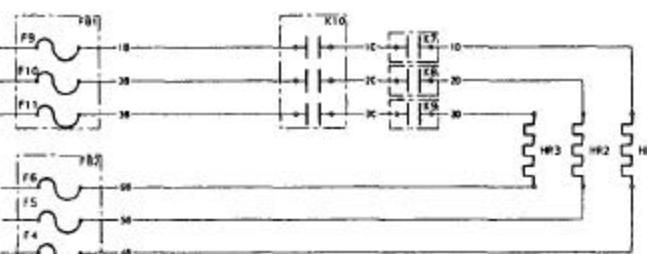
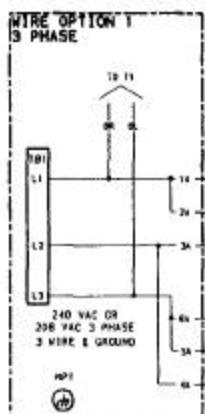
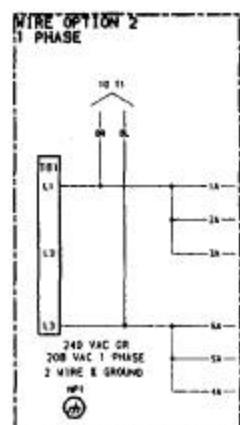


TABLE 1

MODEL E12 - TUBULAR ELEMENTS		
NO. OF EV.	L1/AMP	HR1-HR3
10	1 PHASE 2 WIRE & GND	L1-39.5 AMPS L3-30.5 AMPS P5046923
10	1 PHASE 2 WIRE & GND	L1-43.8 AMPS L3-34.8 AMPS P5046924
208	3 PHASE 3 WIRE & GND	L1-28.2 AMPS L2-28.2 AMPS L3-28.2 AMPS P5046923
240	3 PHASE 3 WIRE & GND	L1-25.3 AMPS L2-25.3 AMPS L3-25.3 AMPS P5046924

P51	P5045043	LAMP, RECTANGULAR - CLEAR 24 VAC
P52	P5045044	LAMP, RECTANGULAR - AMBER 24 VAC
11	PP10425	TERM, 80VA-170/208/240V TO 24V
PP10426	PP10426	TERM, 80VA-380/410/480V TO 24V
R11	PS044881	PROBE, THERMISTOR -100K
T61	PS047705	TERM BLOCK, 3 POST-ENTRANCE
TBS,TB6	PS047302	TERM BLOCK, 2 POST-ENTRANCE
S11	PS047170	SWITCH, INTERLOCK
S10	PS047216	SWITCH, HI TEMPERATURE LIMIT
S8	PP10262	SWITCH, PROXIMITY SENSOR (OPTICAL)
S7	PS047162	SWITCH, TORQUE-SENSITIVE (BLIND OPTION)
S4	PS047117	SWITCH, FLOAT (OPTIONAL)
S3	PP10693	SWITCH, HOCKER - SPDT (OM-ON)
S2	PS047587	SWITCH, I-STAT (ALTERNATE)
S1	PP10559	SWITCH, ROCKER-SPDT W/RK (0-1-0-1)
P14	PS045860	CONNECTOR, PLUG-5 PIN HOLEX
P26,P27	PP10204	CONNECTOR, PLUG-5 PIN HOLEX
P10	PS045826	CONNECTOR, PLUG-5 PIN
P4,P7,P26,P28	PS045829	CONNECTOR, PLUG-2 PIN HOLEX
P3,P8,P41	PP10208	CONNECTOR, PLUG-12 PIN HOLEX
NP1	PS045241	REL, GND, 40-2 ANG.
C10	PP10590	CONTACTOR, DEF PURP-40AMP 24VAC 3PST-NO
K7-K9	PP10553	CONTACTOR, MERCURY-40AMP 24VAC 5PST-NO
E5,E6	PS046810	RELAY, 24VDC - SPDT
K1	PS046866	RELAY, 24 VAC - SPDT WHITE TABS
R1	PS045582	POTENTIOMETER, 800H
J11	PP10692	CONNECTOR, JACK-3 SKT HOLEX
J14	PS045838	CONNECTOR, JACK-5 SKT HOLEX
J27	PP10205	CONNECTOR, JACK-3 SKT HOLEX
J10	PS045827	CONNECTOR, JACK-5 SKT
J4,J5,J35,J38	PS045829	CONNECTOR, JACK-2 SKT HOLEX
J3,J6,J41	PP10209	CONNECTOR, JACK-12 SET HOLEX
HR1-HR3	SPEC TABLES	ELEMENT, TUBULAR
F81,F82	PS045792	FUSE BLOCK, 2 POST
F4-F5,F5-F11	PS045701	FUSE, 40 AMP-SLOW BLOW
F1	PS045720	FUSE, 4 AMP-SLOW BLOW (GLASS)
	PS044956	CHPTR, PITCHOMATIC 18A-7 ON-45 OFF-265
A1	PS044955	CHPTR, PITCHOMATIC 88A-2 ON-45 OFF-265
A3	PP10562	CONTROLLER, 50 - 24 VAC ON-45 OFF-265
NONCULATURE	PART NO.	DESCRIPTION

PARTS LIST

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DATE	10/25/02	
INSTRUMENT NO.	D	7000B4 00

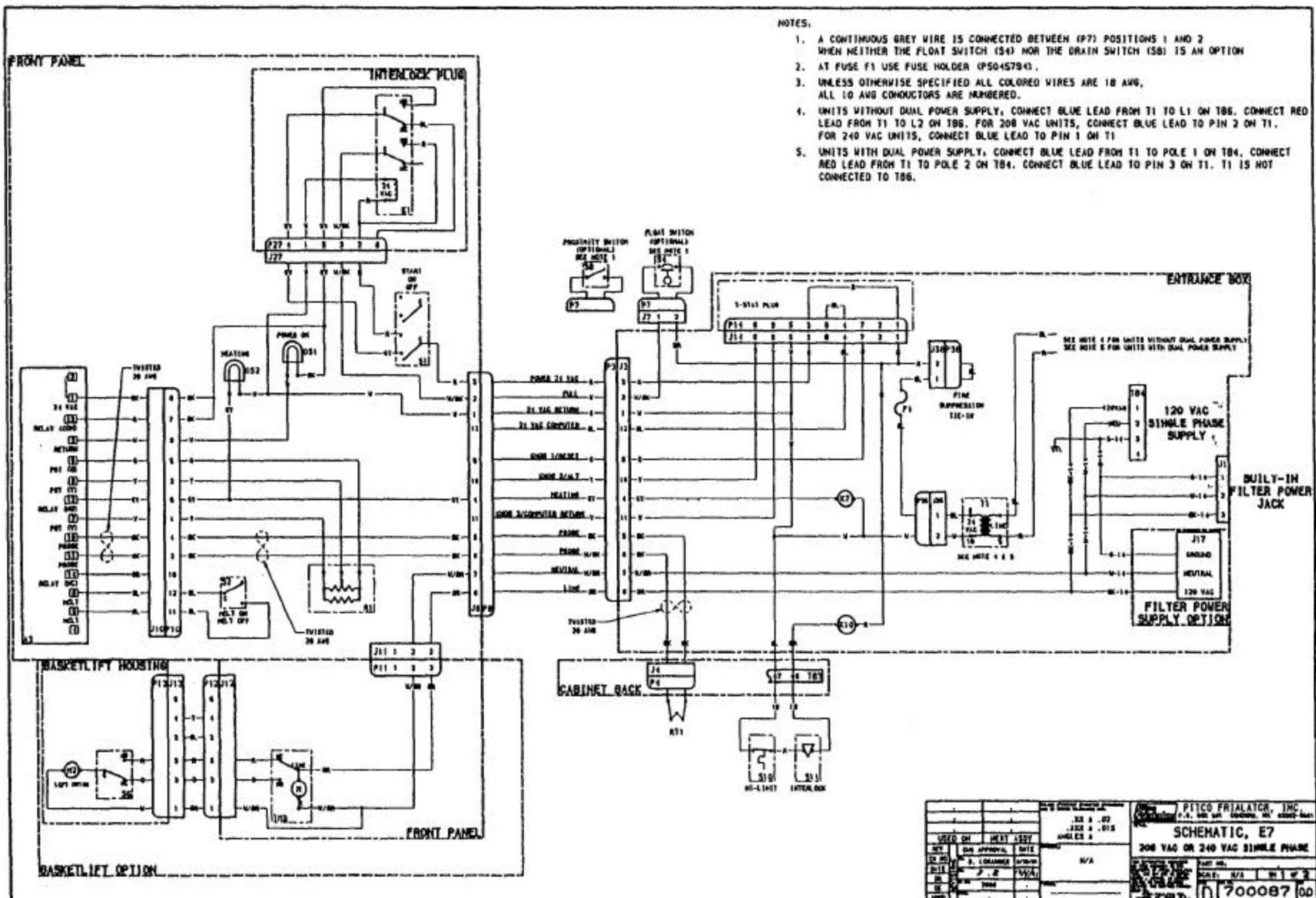
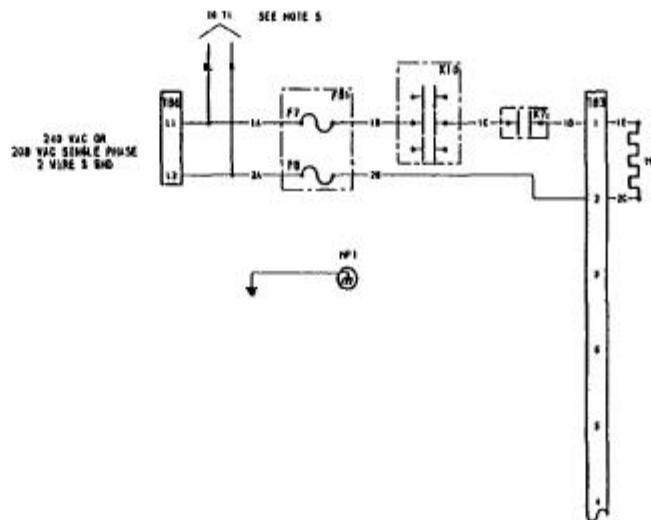


TABLE I MODEL ET (REV)		
VOLTAGE	L1/AMPS	HRS
208 1 PHASE 2 WIRE 3 GND	L1-33.7 AMPS L2-33.7 AMPS	P5046915
240 1 PHASE 2 WIRE 3 GND	L1-29.2 AMPS L2-29.2 AMPS	P5046916

T6	P5047302	TERM BLOCK, 2 POST-ENTRANCE	1
T9	P5047361	TIMER, 120VAC 60 HZ 15 MIN (8V/L)	1
T14	P5045282	TERM BLOCK, 4 POST-BARRIER	1
T15	P5047305	TERM BLOCK, 8 POST (ELEMENT)	1
11	PP10428	XFRM, 825VA-120/208/240V TO 24V	1
S11	P5047175	SWITCH, INTERNAL	1
S10	P5047218	SWITCH, HI TEMPERATURE LIMIT	1
S8	PP10262	SWITCH, PROXIMITY SENSOR (DVI ONLY)	1
S6	P5047168	SWITCH, ROLLER-SWIT (BASKET SPOT)	1
S4	P5047217	SWITCH, FLOAT (OPTIONAL)	1
S2	PP10093	SWITCH, ROCKER-SWIT (ON-OFF)	1
S1	PP10558	SWITCH, ROCKER-SWIT 12/24V (O-1-111)	1
R11	P5044881	PROBE, THERMISTOR-100K	1
R1	P5046582	POTENTIOMETER, 500Ω	1
P14	P5045802	CONNECTOR, PLUG-3 PIN MOLEX	1
P12,P13,P22	PP10201	CONNECTOR, PLUG-5 PIN MOLEX	2
P11	PP10599	CONNECTOR, PLUG-3 PIN MOLEX	1
P1,P7,P35,P39	P5045929	CONNECTOR, PLUG-2 PIN MOLEX	1
P3,P6,P10	PP10200	CONNECTOR, PLUG-12 PIN MOLEX	2
M1	P5045241	LUB, GROUND #8-2 AWG	1
H2	BS600601	BUL, MOTOR ASSY LH - 120 VAC	1
X10	PP10598	CONTACTOR, DEF PUMP-10AMP 24VAC SPST-NO	1
C7	PP10593	CONTACTOR, MERCURY-10AMP 24VAC SPST-HD	1
E1	P5046686	RELAY, 24 VAC - SPDT W/HIS TABS	1
J17	PP10103	RECEPTACLE, 3 PRONG (OPTIONAL)	1
J14	P5045838	CONNECTOR, JACK-5 SKT MOLEX	1
J12,J13,J27	PP10205	CONNECTOR, JACK-5 SKT MOLEX	3
J1,J2,J16,J18	P5045829	CONNECTOR, JACK-2 SKT MOLEX	1
J3,J8,J10	PP10209	CONNECTOR, JACK-12 SET MOLEX	3
J1,J11	P5045868	CONNECTOR, JACK-3 SKT MOLEX	1
HRS	SEE TABLE I	ELEMENT, TURALAR	1
F8	P5045792	FUSE BLOCK, 3 POST	1
F7,F8	P5045762	FUSE, 50 AMP-SLOW BLOW	2
F1	P5045720	FUSE, 4 AMP-SLOW BLOW (GLASS)	1
G52	P5045044	LAMP, RECTANGULAR - AMBER 24 VAC	1
G51	P5045043	LAMP, RECTANGULAR - CLEAR 24 VAC	1
A3	PP10582	CONTROLLER, SO - 24 VAC SH-15 OFF-255	1
APPENDIX	PART NO.	DESCRIPTION	QTY
		PARTS LIST	



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DATE	04-07-07
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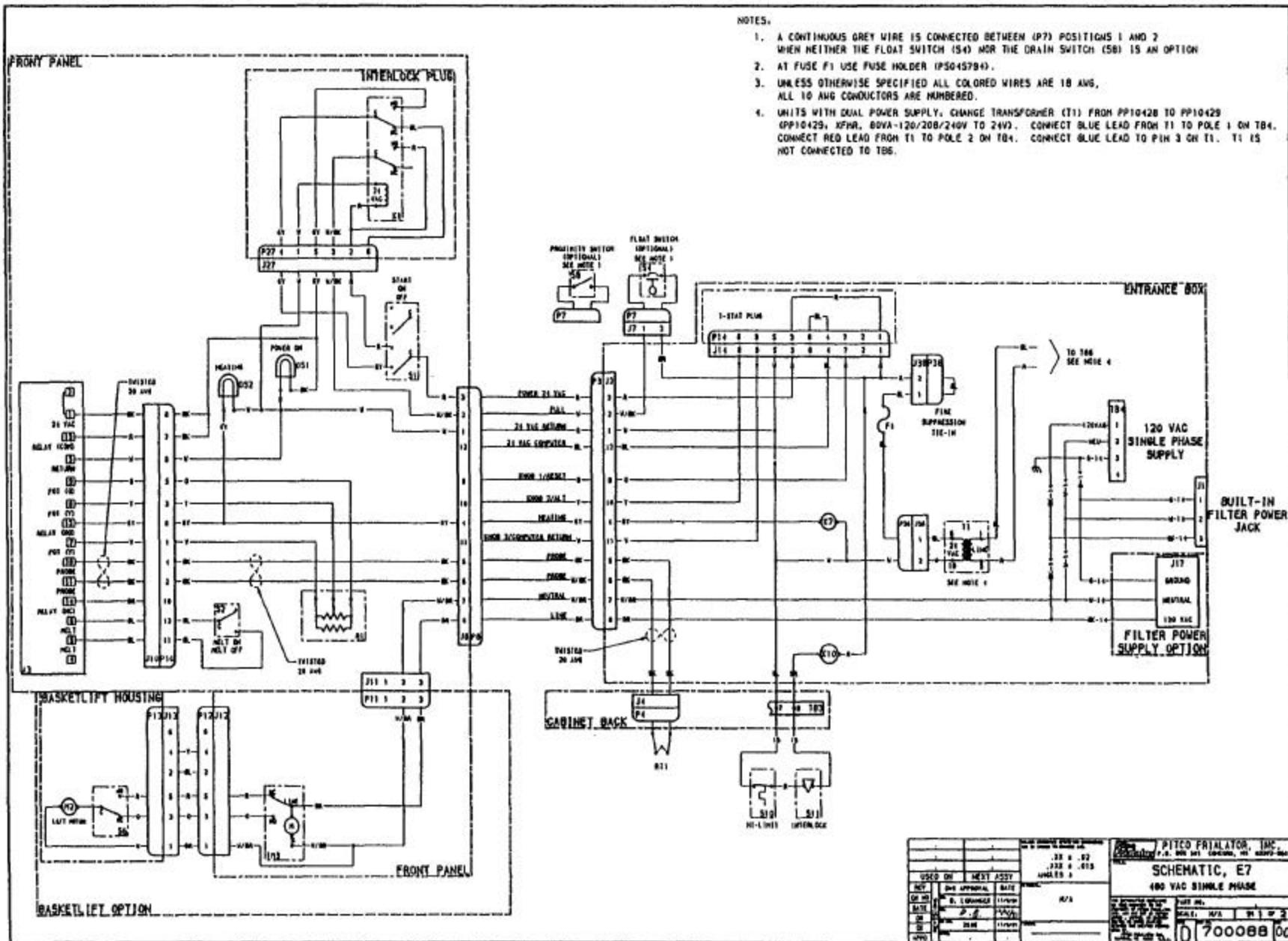
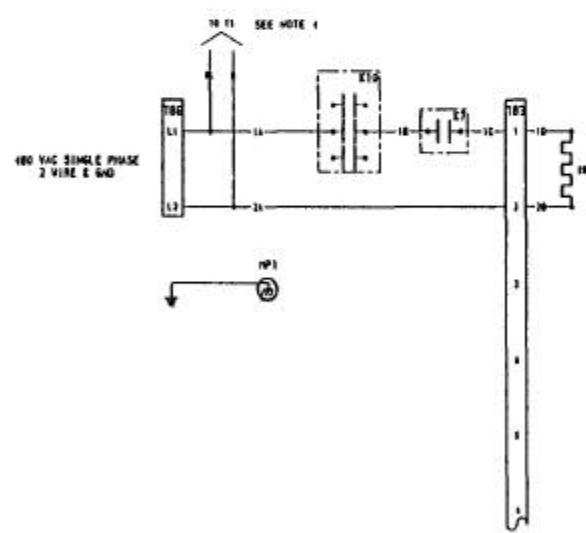


TABLE I MODEL E7 (2KV)		
VOLTAGE	LINE/AMPS	NR4
480	L1-14.6 AMPS	P5046960
1 PHASE	L2-14.6 AMPS	
2 WIRE 1 RAD		

186	F50-7302	TERM BLOCK, 2 POST-ENTRANCE		1
183	F50-7561	TIMER, 120VAC 60 HZ 15 MIN (8/L)		1
184	F50-5702	TERM BLOCK, 4 POST-BARRIER		1
183	F50-7303	TERM BLOCK, 8 POST (ELEMENT)		1
11	PP1-0248	REFIN, BWA-380-140/480V TO 24V		1
511	F50-7170	SWITCH, INTERLOCK		1
510	F50-7218	SWITCH, HI TEMPERATURE LIMIT		1
58	PP1-0262	SWITCH, PROXIMITY SENSOR (DVI DM-V)		1
58	F50-7169	SWITCH, ROLEX-SLOT (BRASKELFIT)		1
54	F50-7217	SWITCH, FLG (OPTIONAL)		1
52	PP1-0093	SWITCH, ROCKER-SLOT (DM-DM)		1
51	PP1-0558	SWITCH, ROCKER-OPT W/ARM (0-1-1-11)		1
811	F50-1881	TRANSISTOR-100K		1
81	F50-4482	POTENTIOMETER, 500Ω		1
PI4	F50-1580	CONNECTOR, PLUG-2 PIH HOLES		1
P12, P13, P27	PP1-0204	CONNECTOR, PLUG-6 PIH HOLES		3
P11	PP1-0493	CONNECTOR, PLUG-2 PIH HOLES		1
P1, P7, P36, P38	F50-4529	CONNECTOR, PLUG-2 PIH HOLES		4
P3, P8, P10	PP1-0206	CONNECTOR, PLUG-12 PIH HOLES		1
NP1	F50-5241	LUG, GROUND #2-AWG		1
H2	8560080	GVL, MOTOR ASSY LH - 120 VAC		1
E10	PP1-0550	CONTACTOR, DEF PUMP-40AMP 24VAC SPST-HO		1
E7	PP1-0555	CONTACTOR, HERCULY-40AMP 24VAC SPST-HO		1
E1	F50-46886	RELAY, 24 VAC - DPDT W/HOLD TAPS		1
J17	PP1-0103	RECEPTACLE, 3 PRONG (OPTIONAL)		1
J4	F50-5030	CONNECTOR, JUCC-3 SMT HOLES		1
J12, J13, J22	PP1-0205	CONNECTOR, JUCC-8 SMT HOLES		2
J4, J7, J18, J28	F50-15939	CONNECTOR, JUCC-2 SMT HOLES		4
J3, J8, J10	PP1-0209	CONNECTOR, JUCC-12 SET HOLES		3
J1, J11	PP1-0089	CONNECTOR, JUCC-1 SMT HOLES		2
NR	SEE TABLE 1	ELEMENT, TUBULAR		1
F1	F50-15720	FUSE, 4 AMP-SLOW BLOW (4A/55)		1
D93	F50-15914	LAMP, RECTANGULAR - AMBER 24 VAC		1
D31	F50-15913	LAMP, RECTANGULAR - CLEAR 24 VAC		1
A3	PP1-0582	CONTROLLER, ED - 24 VAC ON-45 OFF-265		1
MISCELLANEOUS	PART NO.	DESCRIPTION		QTY
		PARTS LIST		



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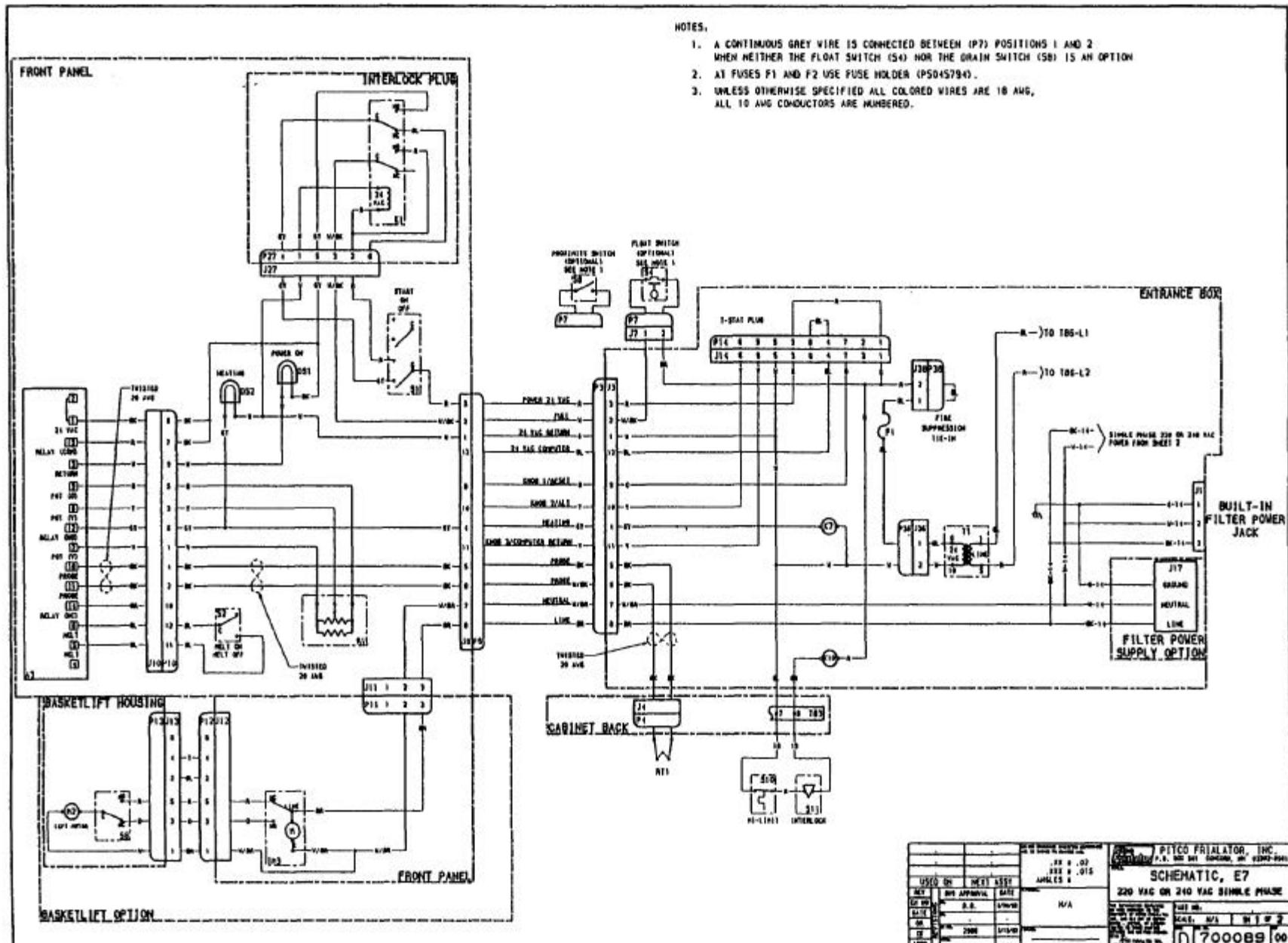
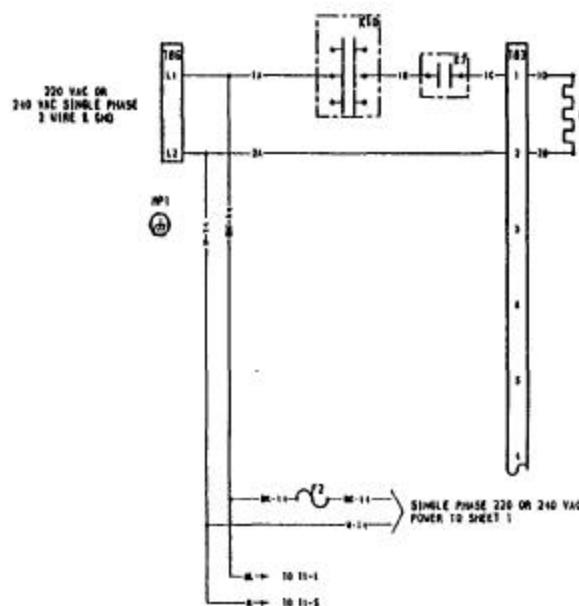
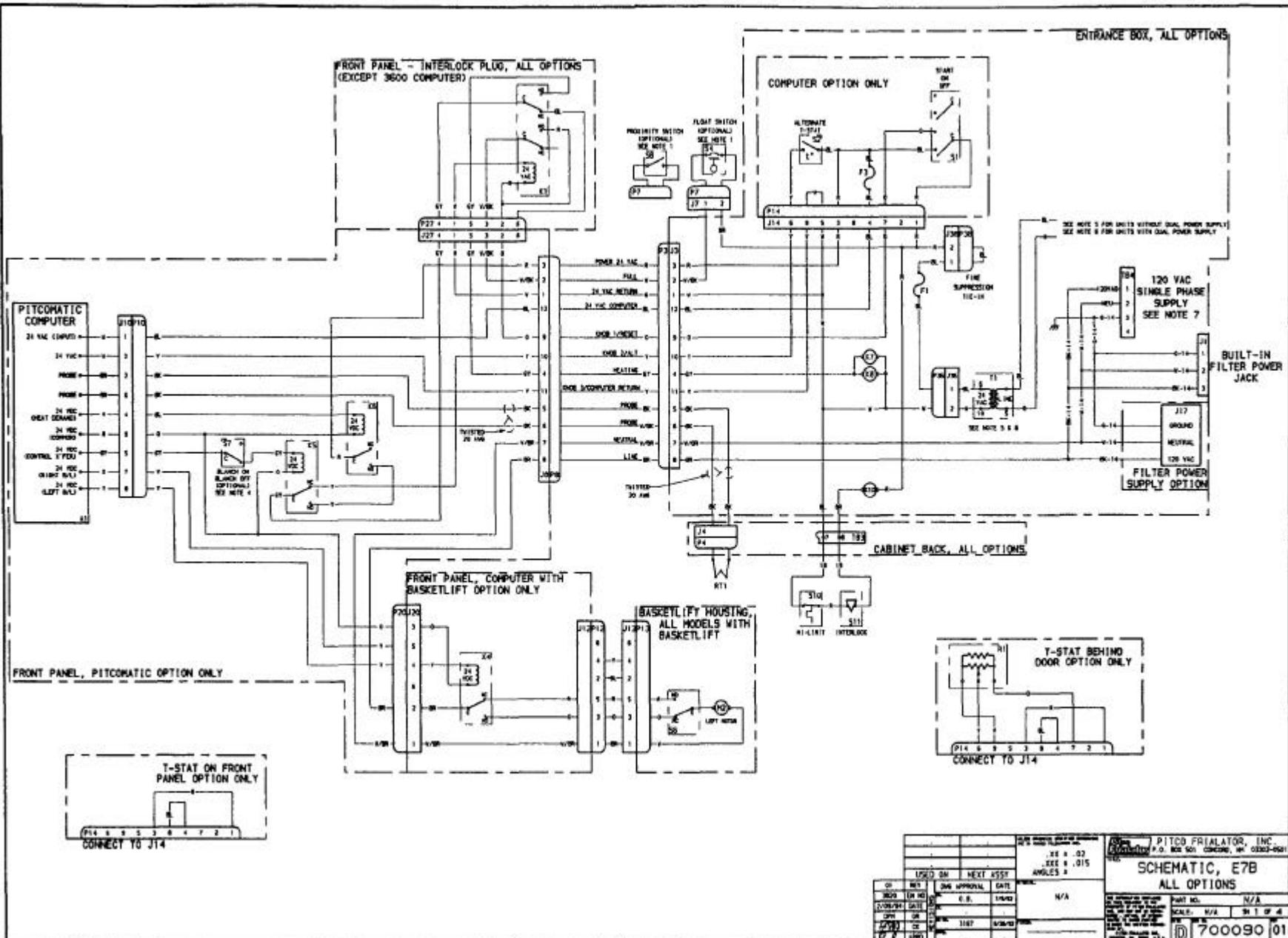


TABLE I		
MODEL ET-1700		
VOLTAGE	L1/LINE/AMPS	HRS
220 1 PHASE 2 WIRE & GND	L1-21.6 AMPS L2-31.6 AMPS	PS016910
240 1 PHASE 2 WIRE & GND	L1-29.2 AMPS L2-28.2 AMPS	PS016916

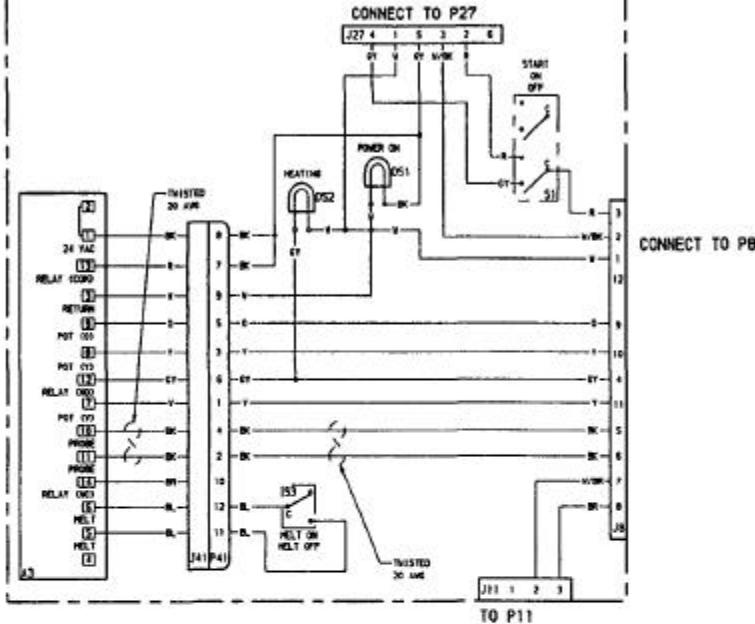
103	PP10095	TIMER, 200/240 VAC 50 HZ 15 MIN (B/L)	1
106	PS017302	TERM BLOCK, 2 POST-ENTRANCE	1
103	PS017303	TERM BLOCK, 8 POST (ELEMENT)	1
11	PP10429	DFMR, 00VA-120/208/240V TO 24V	1
511	PS04710	SWITCH, INTERLOCK	1
510	PS04716	SWITCH, HI TEMPERATURE LIMIT	1
38	PP10282	SWITCH, PROBE/HT SENSOR (DVI 08472)	1
58	PS04718	SWITCH, ROLLER-SWIT (BASKET-LIFT)	1
54	PS04717	SWITCH, FLOAT (OPTIONAL)	1
52	PP10093	SWITCH, ROCKER-SWIT (ON-OFF)	1
51	PP10552	SWITCH, ROCKER-SWIT WORK (0-1-111)	1
811	PS044801	PROBE, THERMISTOR-10K	1
R1	PS045182	POTENTIOMETER, 300Ω	1
P14	PS045859	CONNECTOR, PLUG-9 PIN HOLEX	1
P12,P13,P27	PP10284	CONNECTOR, PLUG-6 PIN HOLEX	3
P11	PP10090	CONNECTOR, PLUG-3 PIN HOLEX	1
P1,P7,P36,P38	PS045828	CONNECTOR, PLUG-2 PIN HOLEX	1
P3,P8,P10	PP10206	CONNECTOR, PLUG-12 PIN HOLEX	3
N1	PS045711	BUS, GROUND #8-2 AWG	1
H2	BSB00607	BL1, MOTOR ASSY LH - 240 VAC	1
K10	PP10562	CONTACTOR, DEF PUMP-SWING 24VAC SPST-HD	1
K7	PP10553	CONTACTOR, MERCURY-60AMP 24VAC SPST-HD	1
K1	PS046886	RELAY, 24 VAC - SPDT W/WHITE TABS	1
J17	PP10478	RECEPTACLE, NEMA 6-15R (OPTIONAL)	1
J14	PS045938	CONNECTOR, JACK-9 SET HOLEX	1
J12,J13,J27	PP10205	CONNECTOR, JACK-6 SET HOLEX	3
J1,J7,J36,J38	PS045829	CONNECTOR, JACK-2 SET HOLEX	4
J3,J8,J10	PP10209	CONNECTOR, JACK-12 SET HOLEX	3
J1,J11	PP10089	CONNECTOR, JACK-3 SET HOLEX	2
M1	SEE TABLE I	ELEMENT, TUBULAR	1
F2	PS045721	FUSE, 7 AMP-SLOW BLOW (BLA55)	1
F1	PS045728	FUSE, 4 AMP-SLOW BLOW (BLA55)	1
B52	PS045041	FUSE, RECTANGULAR - INFER 24 VAC	1
O51	PS045043	FUSE, RECTANGULAR - CLEAR 24 VAC	1
A3	PP10267	CONTROLLER, 50 - 24 VAC ON-15 OFF-205	1
MONOGRAM PART NO.	DESCRIPTION	QTY	
PARTS LIST			



DATE: 10/10/01
REV: 00
PAGE: 1 OF 2
PART NO.: D1700089 00



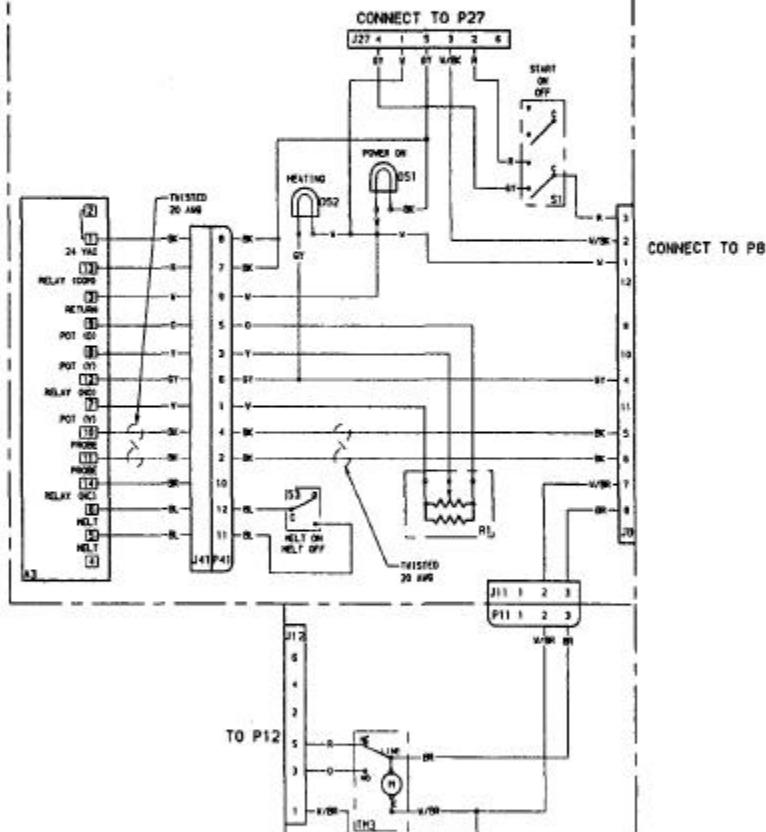
FRONT PANEL, T-STAT BEHIND DOOR OPTION ONLY



MOTES.

1. A CONTINUOUS GREY WIRE IS CONNECTED BETWEEN P7 PIN 1 AND 2 WHEN NEITHER THE FLOAT SWITCH S4 NOR THE DRAIN SWITCH S8 IS PRESENT.
 2. AT FUSES F1, F2 AND F3 USE FUSE HOLDER PS045794
 3. UNLESS OTHERWISE SPECIFIED ALL COLORED WIRES ARE 18 AWG,
ALL 10 AWG CONDUCTORS ARE NUMBERED.
 4. A CONTINUOUS GREY WIRE IS CONNECTED BETWEEN P10 PIN 5 AND K5 WHEN THE
BLANCH SWITCH S7 IS NOT PRESENT (PITCOMATIC OPTION).
 5. UNITS WITHOUT DUAL POWER SUPPLY, FOR 208 VAC UNITS, CONNECT BLUE LEAD FROM
T86-L1 TO PIN 2 ON T1. FOR 240 VAC UNITS, CONNECT BLUE LEAD FROM T86-L1
TO PIN 1 ON T1. FOR 208, 240, AND 480 VAC UNITS, CONNECT RED LEAD FROM T86-L2
TO PIN 5 ON T1. 480 VAC MODELS USE TRANSFORMER PP10428. ALL OTHERS USE
TRANSFORMER PP10429.
 6. UNITS WITH DUAL POWER SUPPLY, REMOVE BLUE LEAD FROM T86-L1
AND CONNECT INSTEAD TO POLE 1 ON TB4. CONNECT OTHER END
OF THIS LEAD TO PIN 3 ON T1. CONNECT RED LEAD FROM F1
TO POLE 2 ON TB4. THERE IS NO CONNECTION NOW TO T86.
TRANSFORMER PP10429 IS USED ON ALL MODELS WITH DUAL POWER SUPPLY.
 7. TB4 IS OMITTED ON INTERNATIONAL MODELS. THE BLACK AND WHITE
LEADS THAT ARE CONNECTED TO TB4 ON NORTH AMERICAN MODELS
ARE CONNECTED INSTEAD TO F2 AND T86-L2, RESPECTIVELY, FOR
INTERNATIONAL MODELS.
 8. A CONTINUOUS GREY WIRE IS CONNECTED BETWEEN P43 PIN 9 AND K5 WHEN THE
BLANCH SWITCH S7 IS NOT PRESENT (3600 OPTION).

FRONT PANEL, T-STAT ON FRONT PANEL OPTION ONLY



FRONT PANEL, BASKETLIFT OPTION -
T-STAT ON FRONT PANEL AND
IT-STAT BEHIND DOOR OPTIONS ONLY



E7B POWER WIRING (240 VAC SINGLE PHASE INTERNATIONAL APPLICATIONS AND 480 VAC SINGLE PHASE NORTH AMERICAN APPLICATIONS)

TABLE 2 - RECEPTACLE, BASKETLIFT MOTOR, AND BASKETLIFT TIMER			
APPLICATION	RECEPTACLE (J17)	MOTOR (H2)	TIMER (T1)
NORTH AMERICA	PP10103 (NEHA 5-15R)	B5600B01 (120 VAC)	PS047561 (120 VAC)
INTERNATIONAL	PP10476 (NEHA 6-15R)	B5600B02 (240 VAC)	PP10095 (240 VAC)

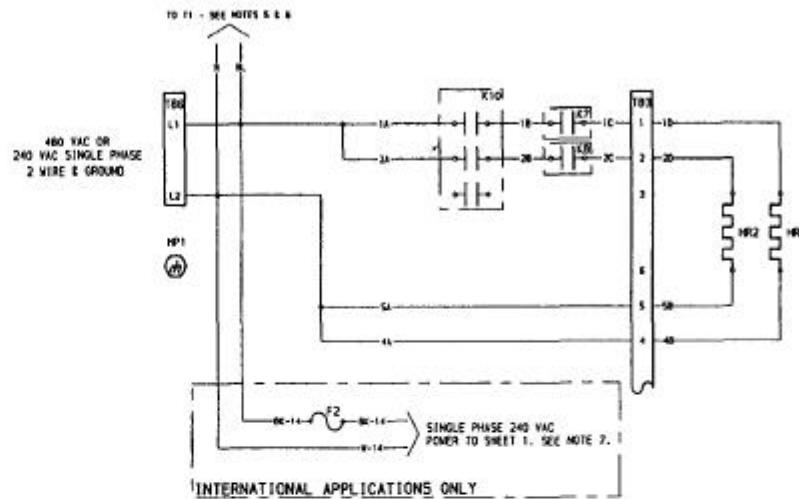
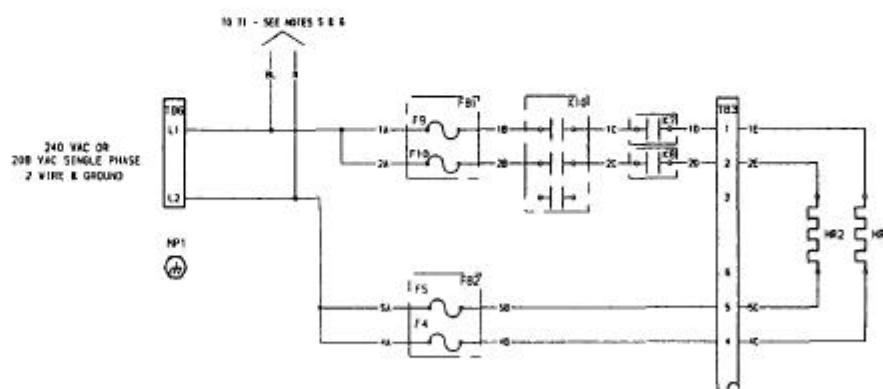


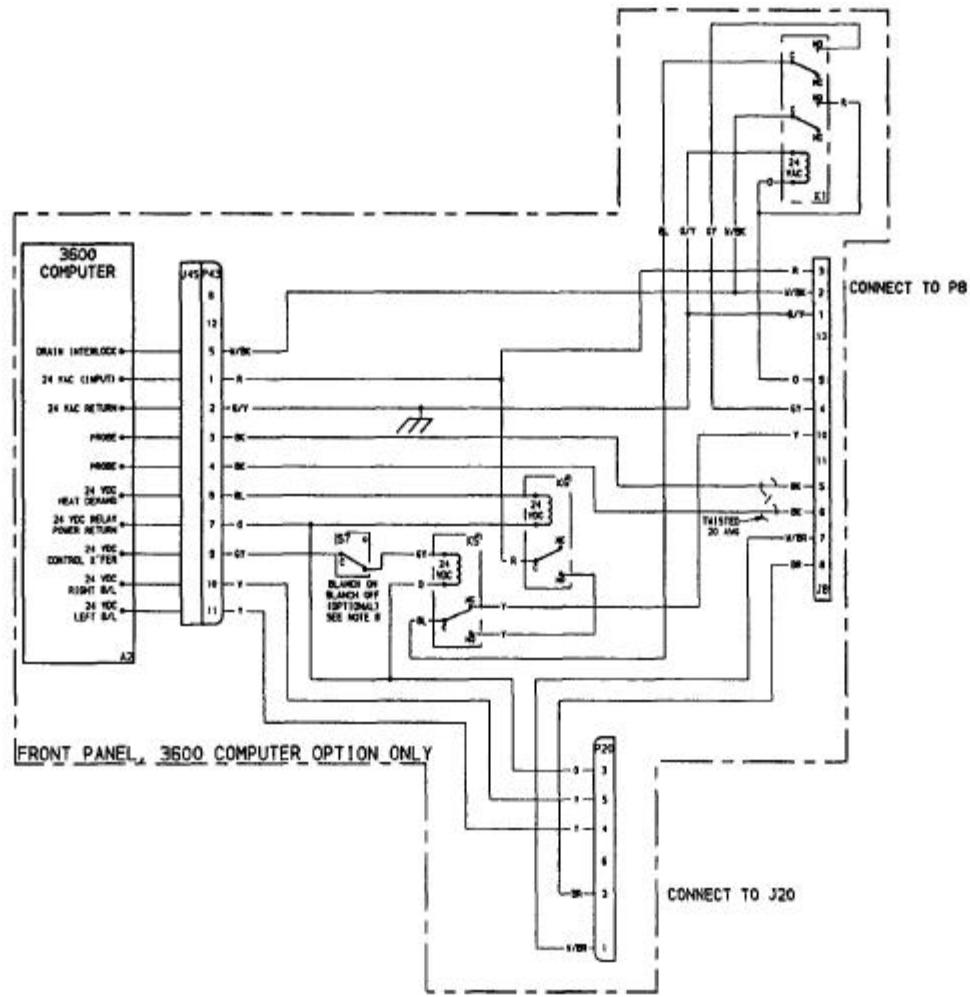
TABLE 1	
MODEL E7B (5KW, 4.5KW ELEMENTS)	
VOLTAGE	LINE/AMPS H1, H2
208	L1-43.3 AMPS
SINGLE PHASE	L2-43.3 AMPS
240	L1-37.5 AMPS
SINGLE PHASE	L2-37.5 AMPS
480	L1-18.8 AMPS
SINGLE PHASE	L2-18.8 AMPS
2 WIRE & GND	

E7B POWER WIRING (208 AND 240 VAC NORTH AMERICAN APPLICATIONS)



A2	PP10805 3600 COMPUTER-7 SINGLE
TR3	SEE TBL 2 TIMER, 15 MINUTE (BASKETLIFT)
H2	SEE TBL 2 B/L, MOTOR ASSY LH
051	PS045043 LAMP, RECTANGULAR - CLEAR 24 VAC
052	PS045044 LAMP, RECTANGULAR - AMBER 24 VAC
T1	PP10429 XFR, B5VA-120/208/240V TO 24V
PS044861	PROBE, THERMISTOR - 100K
TB3	PS047303 TERM. BLOCK, 8 POST (ELEMENT)
TB4	PS045262 TERM. BLOCK, 4 POST-BARRIER
TB6	PS047302 TERM. BLOCK, 3 POST-ENTRANCE
S11	PS047170 SWITCH, INTERLOCK
S10	PS047216 SWITCH, HI TEMPERATURE LIMIT
S8	PP10252 SWITCH, PROXIMITY SENSOR (INT. ONLY)
S7	PS047162 SWITCH, TOGGLE-SPST (BLANK OPTION)
S6	PS047168 SWITCH, ROLLER-SWIT (BASKETLIFT)
S4	PS047217 SWITCH, FLOAT (OPTIONAL)
S3	PP10093 SWITCH, ROCKER - SPDT 10A-1NO
S2	PS047587 SWITCH, T-STAT ELECTRIC (ALTERNATE)
S1	PP10559 SWITCH, ROCKER-BP01 1/8IN (D-1)-(C-1)
P11	PP10090 CONNECTOR, PLUG-3 PIN HOLEX
P14	PS045864 CONNECTOR, PLUG-9 PIN HOLEX
P12,P13	PP10204 CONNECTOR, PLUG-6 PIN HOLEX
P20,P27	PP10205 CONNECTOR, PLUG-9 PIN HOLEX
P16	PS045826 CONNECTOR, PLUG-9 PIN
P4,P7,P26,P38	PS045829 CONNECTOR, PLUG-2 PIN HOLEX
P3,P8,P41,P42	PP10208 CONNECTOR, PLUG-12 PIN HOLEX
HPI	PS045241 LUG, GROUND #8-2 AWG
K10	PP10560 CONTACTOR, DEF PURP-40AMP 24VAC 3PST-HO
K7,K8	PP10553 CONTACTOR, MERCURY-KDAMP 24VAC SPST-HO
K4,E5,E6	PS046690 RELAT, 24VDC - SPDT
E1	PS046686 RELAT, 24 VAC - SPDT V/HIG TABS
R1	PS045582 POTENTIOMETER, 900OHM
J1,J11	PP10089 CONNECTOR, JACK-3 SET HOLEX
J14	PS045838 CONNECTOR, JACK-9 SET HOLES
J12,J13	PP10205 CONNECTOR, JACK-6 SET HOLEX
J20,J27	PP10205 CONNECTOR, JACK-9 SET
J10	PS045827 CONNECTOR, JACK-9 SET
J4,J7,J38,J39	PS045839 CONNECTOR, JACK-2 SET HOLEX
J3,J8,J24,J45	PP10209 CONNECTOR, JACK-12 SET HOLEX
J17	SEE TBL 2 RECEPTACLE
HRI,H82	SEE TBL 1 ELEMENT, TUBULAR
F81,F82	PS045792 FUSE BLOCK, 3 POST
F4,F5,F9,F10	PS045791 FUSE, 40 AMP-SLOW BLOW
F3	PP10123 FUSE, 1 AMP-SLOW BLOW (GLASS)
F2	PS045721 FUSE, 7 AMP-SLOW BLOW (GLASS)
F1	PS045720 FUSE, 4 AMP-SLOW BLOW (GLASS)
A1	PS044856 CHPTR, PITCHMATIC 184-7 ON-45 OFF-265
	PS044855 CHPTR, PITCHMATIC 184-7 ON-45 OFF-265
A3	PP10562 CONTROLLER, GD - 24 VAC ON-45 OFF-265
NONENCLATURE	PART NO. DESCRIPTION
PARTS LIST	PARTS LIST

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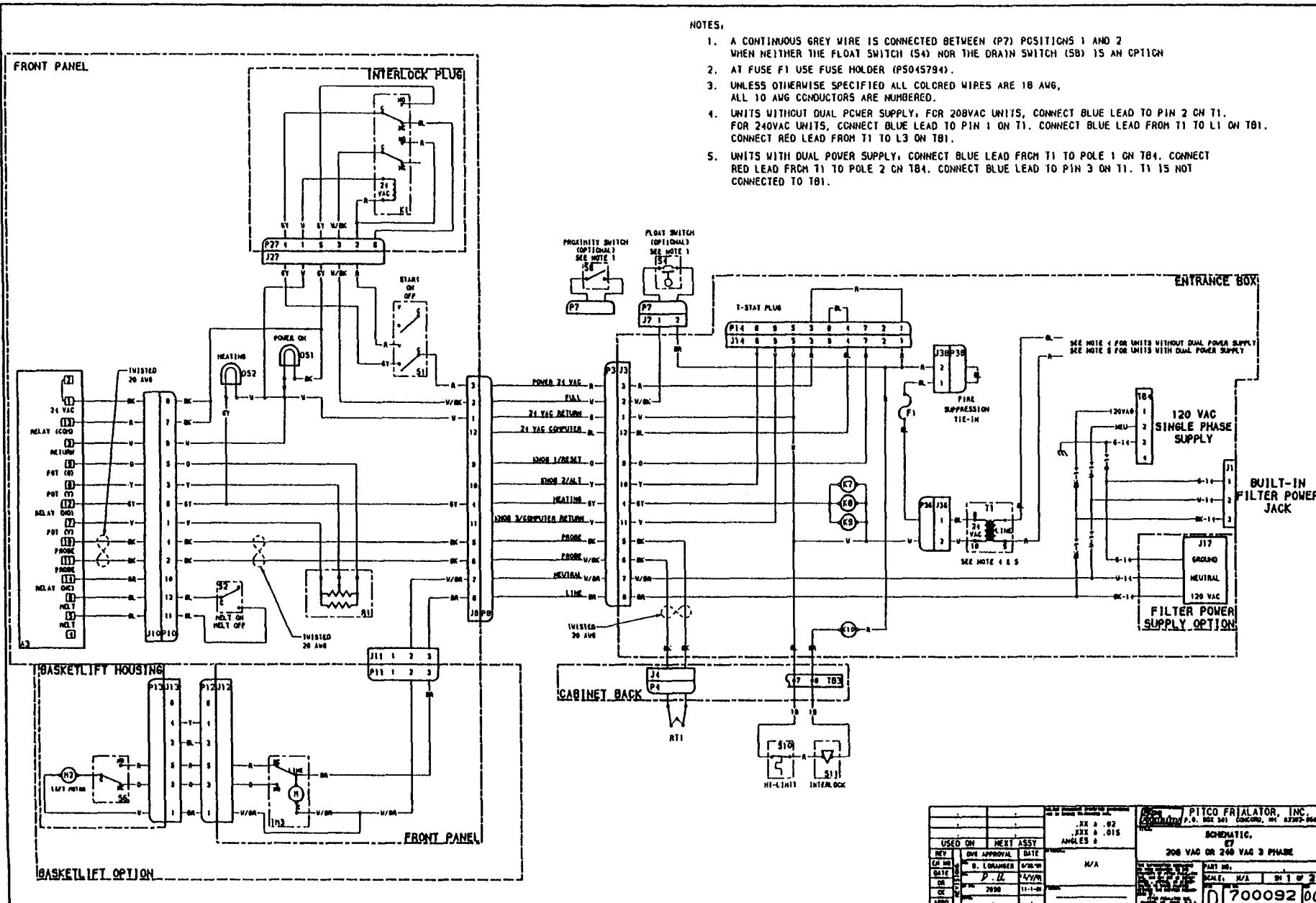
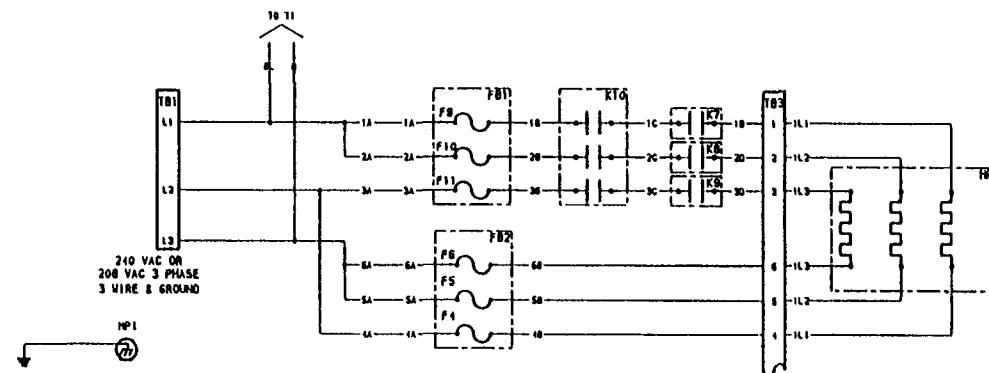


TABLE I

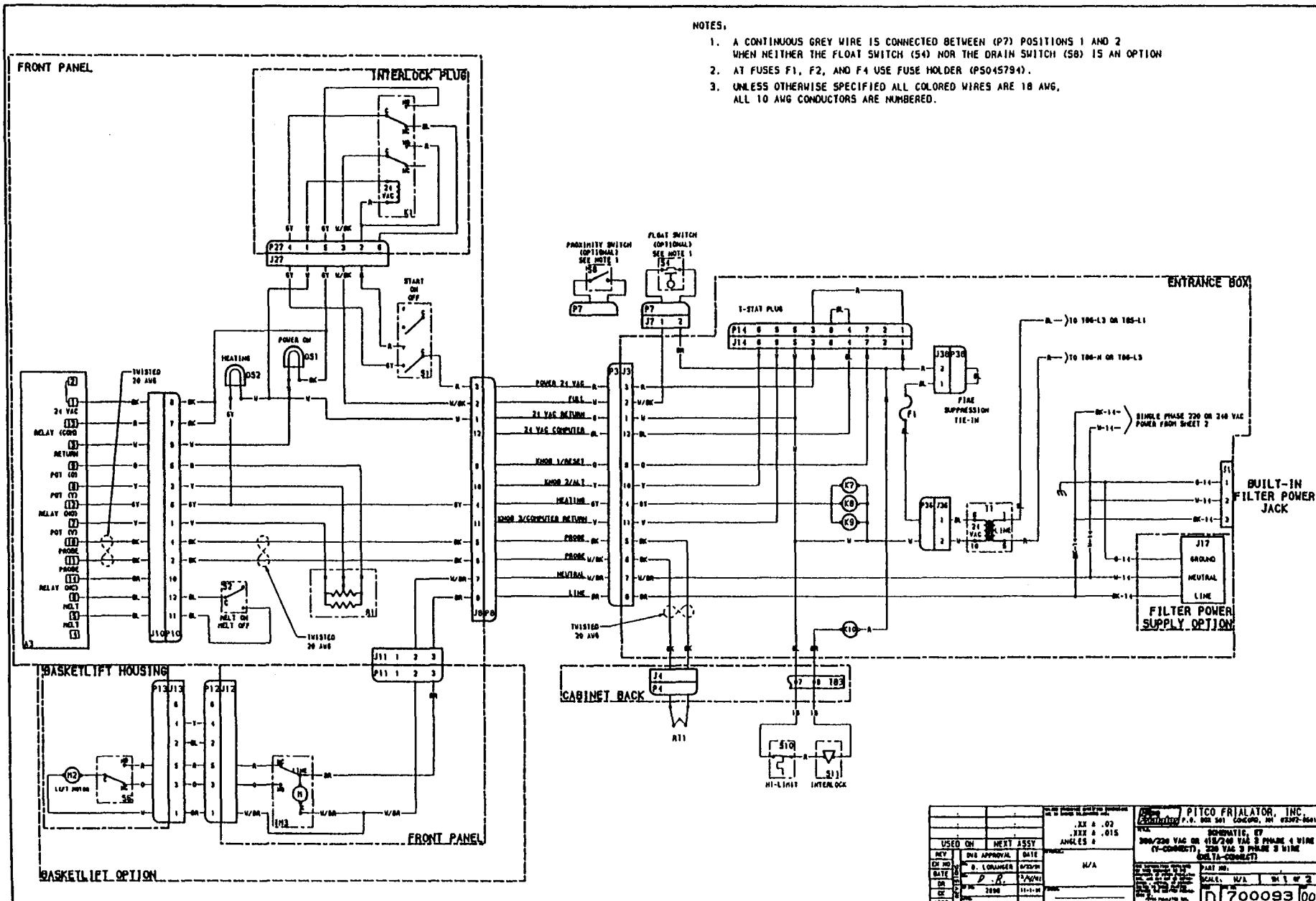
TABLE 1		
MODEL ET (7KV, 7KV ELEMENT)		
VOLTAGE	LINE/AMPS	MRI
208	L1-19.4 AMPS	
3 PHASE	L2-19.4 AMPS	PP10599
3 WIRE S GND	L3-19.4 AMPS	
240	L1-18.0 AMPS	
3 PHASE	L2-18.0 AMPS	PP10291
3 WIRE S GND	L3-18.0 AMPS	

SEE NOTE S



RT1	PS0414801	PROBE, THERMISTOR -100K	
TM3	PS0457561	TIMER, 120VAC 60 HZ 15 MIN (B/L)	
T84	PS045282	TERM BLOCK, 4 POST - BARRIER	
T83	PS047303	TERM BLOCK, 8 POST (ELEMENT)	
T81	PS0417301	TERM BLOCK, 3 POST-ENTRANCE	
T1	PP10429	XFRM, BOVA-120/208/240V TO 24V	
S11	PS047170	SWITCH, INTERLOCK	
S10	PS047216	SWITCH, HI TEMPERATURE LIMIT	
S8	PP10262	SWITCH, PROXIMITY SENSOR (OVI ONLY)	
S6	PS047169	SWITCH, ROLLER-SPOD (BASKET/LIFT)	
S4	PS047217	SWITCH, FLOAT (OPTIONAL)	
S2	PP10093	SWITCH, ROCKER - SPDT (ON-ON)	
S1	PP10558	SWITCH, ROCKER-SPDT W/BK (0-1-11)	
R1	PS046582	POTENTIOMETER, 900ohm	
P14	PS045860	CONNECTOR, PLUG-8 PIN MOLEX	
P12,P13,P27	PP10201	CONNECTOR, PLUG-8 PIN MOLEX	3
P11	PP10090	CONNECTOR, PLUG-3 PIN MOLEX	1
P4,P7,P36,P38	PS045829	CONNECTOR, PLUG-2 PIN MOLEX	4
P3,P8,P10	PP10208	CONNECTOR, PLUG-12 PIN MOLEX	3
H91	PS045241	LUG, GROUND #002-2 AWG	
H2	PS5800081	B/L, MOTOR ASSY LH - 120 VAC	
K10	PP10560	CONTACTOR, DEF PURP-40AMP 24VAC 3PST-HO	
K7-K9	PP10553	CONTACTOR, MERCURY-10AMP 24VAC SPST-HO	3
K1	PS046588	RELAY, 24 VAC - SPDT W/HNG TABS	
J17	PP10103	RECEPTACLE, 3 PRONG (OPTIONAL)	
J14	PS045030	CONNECTOR, JACK-9 SKT MOLEX	
J12,J13,J27	PP10205	CONNECTOR, JACK-6 SKT MOLEX	3
J13,J16,J38	PS0458339	CONNECTOR, JACK-2 SKT MOLEX	4
J3,J8,J10	PP10209	CONNECTOR, JACK-12 SKT MOLEX	3
J1,J11	PP10089	CONNECTOR, JACK-3 SKT MOLEX	2
H91		SEE TABLE 1 ELEMENT, FLATBAR 7KVN-E7	1
F81,F82	PS045792	FUSE BLOCK, 3 POST	2
F4-F5,F9-F11	PS0457201	FUSE, 40 AMP-SLOW BLOW	6
F1	PS045720	FUSE, 4 AMP-SLOW BLOW (GLASS)	
DS2	PS045014	LAMP, RECTANGULAR - AMBER 24 VAC	
DS1	PS045043	LAMP, RECTANGULAR - CLEAR 24 VAC	
A3	PP10562	CONTROLLER, GO - 24 VAC 045 OFF-265	
NOMENCLATURE		PART NO.	DESCRIPTION
PARTS LIST			
QTY			

PART NO:
SCALE: N/A SHEET 3 OF 2
D 700092 00



REVISION	DATE	APPROVED BY	APPROVING OFFICER
1	XX-XX-XX	XX-XX-XX	PITCO FRIALATOR, INC.
REV	INN APPROVAL DATE	DATE	ADDRESS
CH NO.	D. LOHNER	2/20/94	P.O. BOX 561, CONCORD, NH 03301-0561
DATE	P.R.	2/20/94	
DR	2000	11-1-94	
APPRO	XXX		

USED ON NEXT ASSY
300/220 VAC OR 115/240 VAC 3 PHASE 4 WIRE
(Y-CONNECT) 220 VAC 3 PHASE 3 WIRE
(DELTA-CONNECT)

MADE IN U.S.A. BY PITCO FRIALATOR, INC.
P.O. BOX 561, CONCORD, NH 03301-0561

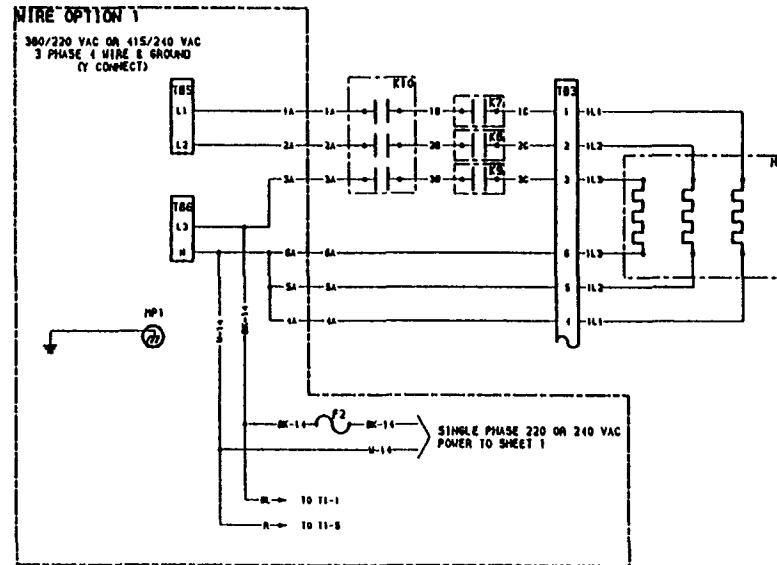
PART NO. 700093-00

SCALE: N/A W1 = 2
W2 = 24" H = 24" D = 24"

D 700093-00

TABLE 1 MODEL E7 (7KV, 7KV ELEMENT)		
VOLTAGE	LINE/AMPS	HRI-HR3
220 3 PHASE 3 WIRE & GND (DELTA CONNECT)	L1-10.4 AMPS L2-10.4 AMPS L3-10.4 AMPS	PP10289
380/220 3 PHASE 4 WIRE & GND (Y CONNECT)	L1-10.6 AMPS L2-10.6 AMPS L3-10.6 AMPS	PP10289
415/240 3 PHASE 4 WIRE & GND (Y CONNECT)	L1-9.7 AMPS L2-9.7 AMPS L3-9.7 AMPS	PP10291

IH3	PP10095	TIMER, 208/240 VAC 50 HZ 15 MIN (B/L)	1
T05,T06	PS047302	TERM BLOCK, 2 POST-ENTRANCE	2
T03	PS047303	TERM BLOCK, 8 POST (ELEMENT)	1
J1	PP10429	XFRMR, BOVA-120/208V TO 24V	1
S11	PS047170	SWITCH, INTERLOCK	1
S10	PS047210	SWITCH, HI TEMPERATURE LIMIT	1
S8	PP10262	SWITCH, PROXIMITY SENSOR (COV) ONLY	1
S6	PS047169	SWITCH, ROLLER-SPOT (BASKETLIFT)	1
S4	PS047211	SWITCH, FLOAT (OPTIONAL)	1
S2	PP10093	SWITCH, ROCKER-SPOT (ON-ON)	1
S1	PP10559	SWITCH, ROCKER-SPOT W/DPDT (O-O-1-1)	1
R1	PS044881	PROBE, THERMISTOR-100K	1
R1	PS046582	POTENTIOMETER, 500ohm	1
P14	PS045860	CONNECTOR, PLUG-6 PIN HOLEX	1
P12,P13,P27	PP10204	CONNECTOR, PLUG-8 PIN HOLEX	3
P11	PP10090	CONNECTOR, PLUG-3 PIN HOLEX	1
P4,P7,P36,P38	PS045829	CONNECTOR, PLUG-2 PIN HOLEX	4
P3,P8,P10	PP10204	CONNECTOR, PLUG-12 PIN HOLEX	3
H1	PS045241	LUG, GROUND (6-2 AWG)	1
H2	BS606802	B/L, MOTOR ASSY LH - 240 VAC	1
K10	PP10586	CONTACTOR, DEF PURP-10AMP 24VAC SPST-NO	1
K7-K9	PP10553	CONTACTOR, MERCURY-10AMP 24VAC SPST-NO	3
K1	PS046688	RELAY, 24 VAC DPDT W/HIG TABS	1
J17	PP10476	RECEPTACLE, NEMA 6-15R (OPTIONAL)	1
J14	PS045039	CONNECTOR, JACK-8 SKT HOLEX	1
J12,J13,J27	PP10205	CONNECTOR, JACK-8 SKT HOLEX	3
J4,J7,J16,J38	PS045039	CONNECTOR, JACK-3 SKT HOLEX	4
J3,J8,J10	PP10209	CONNECTOR, JACK-12 SKT HOLEX	3
J1,J11	PP10089	CONNECTOR, JACK-3 SKT HOLEX	2
HRI	SEE TABLE 1	ELEMENT, FLATBAR 7KV-E7	1
F2,F4	PS045721	FUSE, ? AMP-SLOW BLOW (GLASS)	2
F1	PS045720	FUSE, 4 AMP-SLOW BLOW (GLASS)	1
D52	PS045044	LAMP, RECTANGULAR - AMBER 24 VAC	1
D51	PS045043	LAMP, RECTANGULAR - CLEAR 24 VAC	1
A3	PP10562	CONTROLLER, 60 - 24 VAC ON-15 OFF-265	1
HOMECLATURE	PART NO.	DESCRIPTION	QTY
		PARTS LIST	



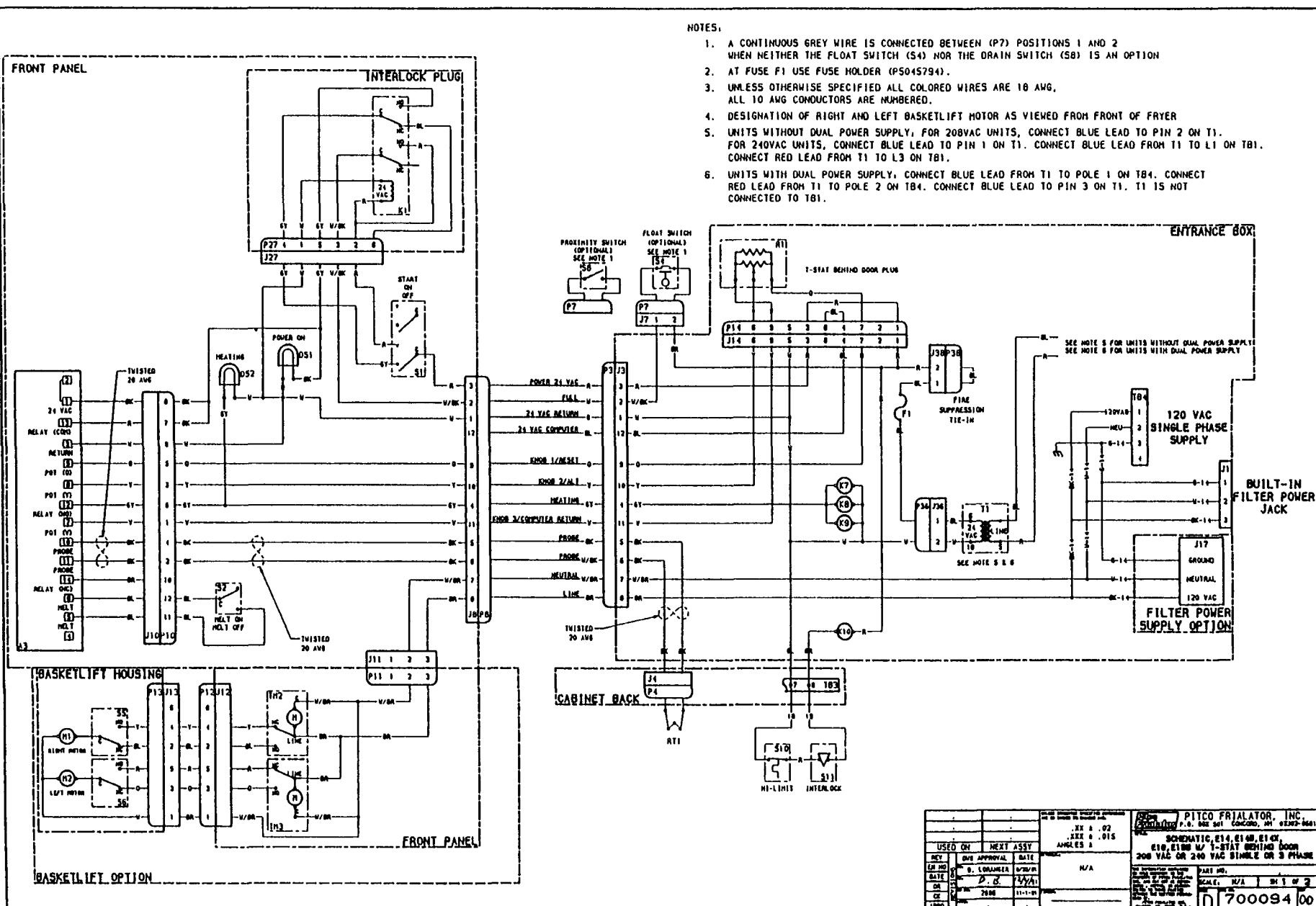
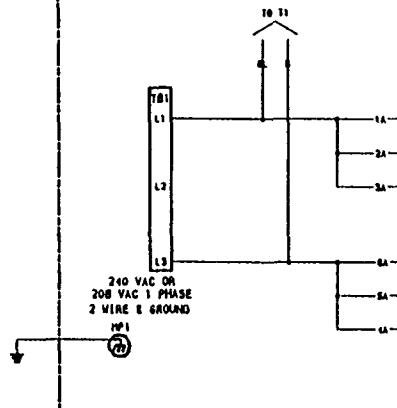
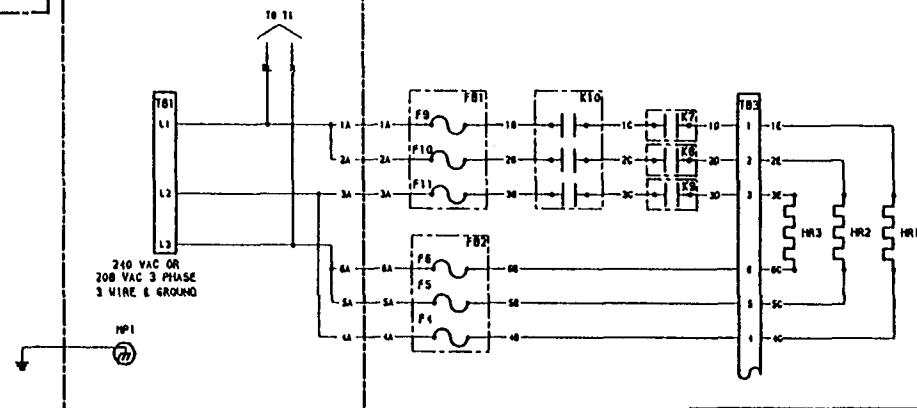


TABLE I

MODEL E14 (6 SKV, 5 SKV ELEMENTS)			MODEL E14B (21KV, 7KV ELEMENTS)			MODEL E14X (13 SKV, 4 SKV ELEMENTS)			MODEL E18 (18KV, 6KV ELEMENTS)			MODEL E18B (24KV, 8KV ELEMENTS)		
VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3
208	L1-79.4 AMPS L3-79.4 AMPS	PS046920	208	L1-101 AMPS L3-101 AMPS	PS046915	208	L1-65.0 AMPS L3-65.0 AMPS	PS046913	208	L1-88.5 AMPS L3-88.5 AMPS	PS046901	208	L1-115.4 AMPS L3-115.4 AMPS	PS046903
240	L1-68.0 AMPS L3-68.0 AMPS	PS046921	240	L1-87.5 AMPS L3-87.5 AMPS	PS046916	240	L1-56.2 AMPS L3-56.2 AMPS	PS046914	240	L1-75.0 AMPS L3-75.0 AMPS	PS046902	240	L1-100.0 AMPS L3-100.0 AMPS	PS046904
208	L1-15.8 AMPS L2-15.8 AMPS L3-15.8 AMPS	PS046920	208	L1-58.2 AMPS L2-58.2 AMPS L3-58.2 AMPS	PS046915	208	L1-37.4 AMPS L2-37.4 AMPS L3-37.4 AMPS	PS046913	208	L1-50.0 AMPS L2-50.0 AMPS L3-50.0 AMPS	PS046901	208	L1-68.6 AMPS L2-68.6 AMPS L3-68.6 AMPS	PS046903
240	L1-39.7 AMPS L2-39.7 AMPS L3-39.7 AMPS	PS046921	240	L1-50.5 AMPS L2-50.5 AMPS L3-50.5 AMPS	PS046916	240	L1-32.4 AMPS L2-32.4 AMPS L3-32.4 AMPS	PS046914	240	L1-43.3 AMPS L2-43.3 AMPS L3-43.3 AMPS	PS046902	240	L1-57.7 AMPS L2-57.7 AMPS L3-57.7 AMPS	PS046904

SEE NOTE 6 WIRE OPTION 2
1 PHASESEE NOTE 6 WIRE OPTION 3
3 PHASE

			QTY
R1	PS044861	PROBE, THERMISTOR -100K	1
TH2, TH3	PS047561	THER, 120VAC 60 HZ 15 MH (B/L)	2
TH4	PS045282	TERM BLOCK, 4 POST-BARRIER	1
TH5	PS047303	TERM BLOCK, 6 POST (ELEMENT)	1
TH6	PS047301	TERM BLOCK, 3 POST-ENTRANCE	1
T1	PP10428	KFRN, 60VA-120/208/240V TO 24V	1
S11	PS047170	SWITCH, INTERLOCK	1
S10	PS047218	SWITCH, HI TEMPERATURE LIMIT	1
S8	PP10267	SWITCH, PROXIMITY SENSOR (DI ONLY)	1
S5, S6	PS047169	SWITCH, ROLLER-SPOT (BASKETL/FPT)	2
S4	PS047217	SWITCH, FLOAT (OPTIONAL)	1
S2	PP10093	SWITCH, ROCKER - SPDT (ON-ON)	1
S1	PP10559	SWITCH, ROCKER-SPDT W/BK (O-1-(1))	1
R1	PS046582	POTENTIOMETER, 500ohm	1
P14	PS045860	CONNECTOR, PLUG-8 PIN HOLEX	1
P12, P13, P27	PP10201	CONNECTOR, PLUG-8 PIN HOLEX	3
P11	PP10090	CONNECTOR, PLUG-3 PIN HOLEX	1
P4, P7, P36, P38	PS045829	CONNECTOR, PLUG-2 PIN HOLEX	1
P3, P8, P10	PP10209	CONNECTOR, PLUG-12 PIN HOLEX	3
MP1	PS045241	LU6, GROUND #8-2 AWG	1
H2	BS600801	B/L, MOTOR ASSY LH - 120 VAC	1
H1	PS046380	MOTOR, GEAR-120VAC 60 HZ (B/L)	1
K10	PP10560	CONTACTOR, DEEP PURP-40AMP 24VAC 3PST-HO	1
K7-K9	PP10553	CONTACTOR, MERCURY-40AMP 24VAC 3PST-HO	3
K1	PS046686	RELAY, 24 VAC - DPDT W/HTE TABS	1
J17	PP10103	RECEPTACLE, 3 PRONG (OPTIONAL)	1
J14	PS045838	CONNECTOR, JACK-9 SKT HOLEX	1
J12, J13, J27	PP10205	CONNECTOR, JACK-8 SKT HOLEX	3
J4, J7, J8, J9	PS045839	CONNECTOR, JACK-3 SKT HOLEX	1
J3, J8, J10	PP10209	CONNECTOR, JACK-12 SKT HOLEX	3
J1, J11	PP10089	CONNECTOR, JACK-3 SKT HOLEX	2
HR1-HR3	SEE TABLE I	ELEMENT, TUBULAR	3
F81, F82	PS045792	FUSE BLOCK, 3 POST	2
F1-F6, F9-F11	PS045701	FUSE, 40 AMP-SLOW BLOW	6
F1	PS045720	FUSE, 4 AMP-SLOW BLOW (GLASS)	1
DS2	PS045044	LAMP, RECTANGULAR - AMBER 24 VAC	1
DS1	PS045043	LAMP, RECTANGULAR - CLEAR 24 VAC	1
A9	PP10562	CONTROLLER, 60 - 24 VAC ON-45 OFF-265	1
HOMENCLATURE	PART NO.	DESCRIPTION	QTY
		PARTS LIST	

PRINTED BY: DRAFTED BY: DATE: 10-10-00
SCALE: N/A PAGE 2 OF 2
700094 00

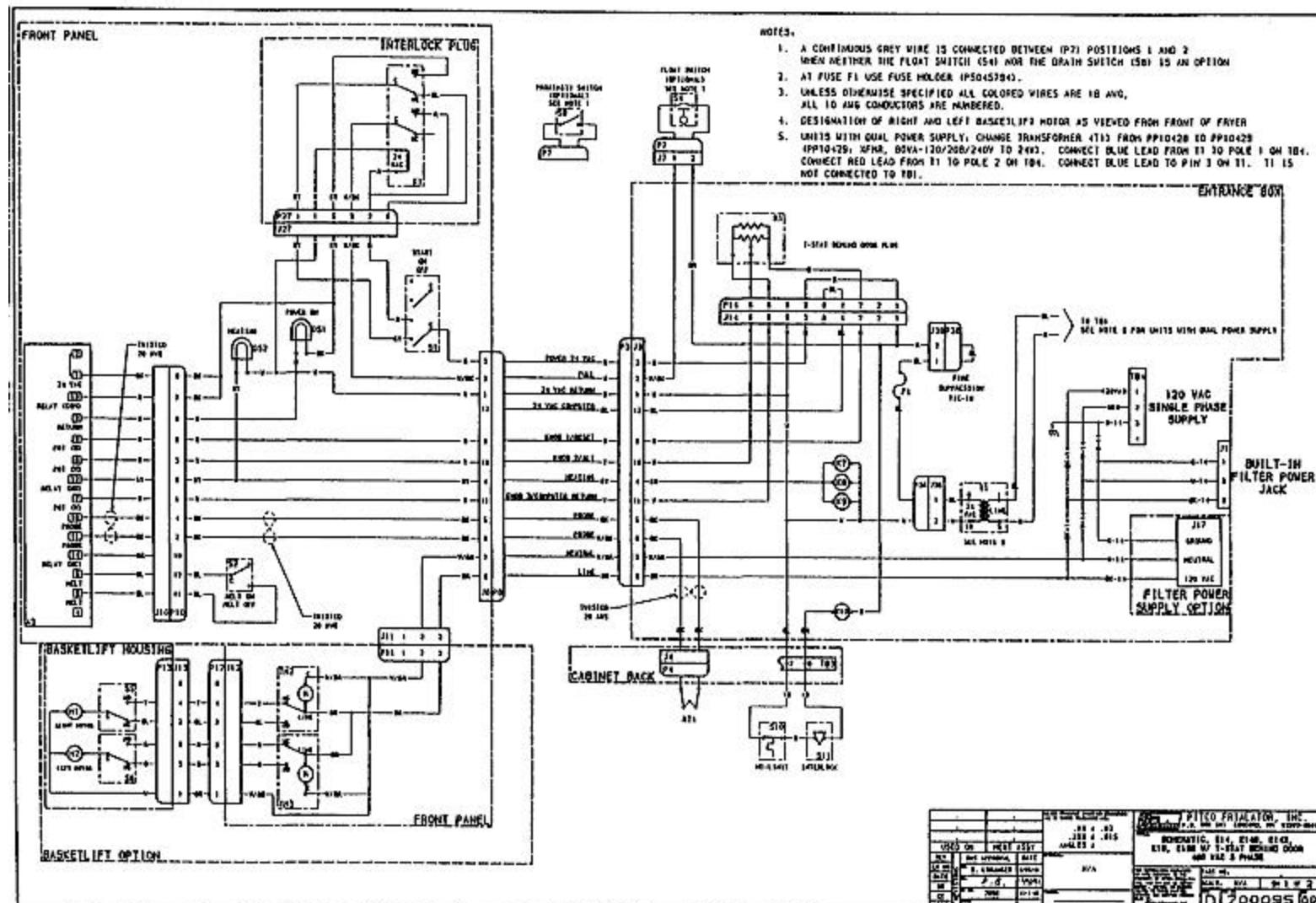
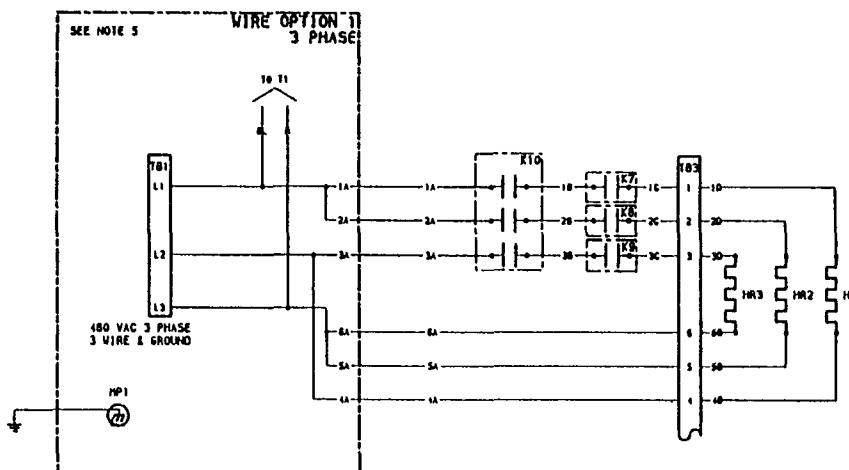


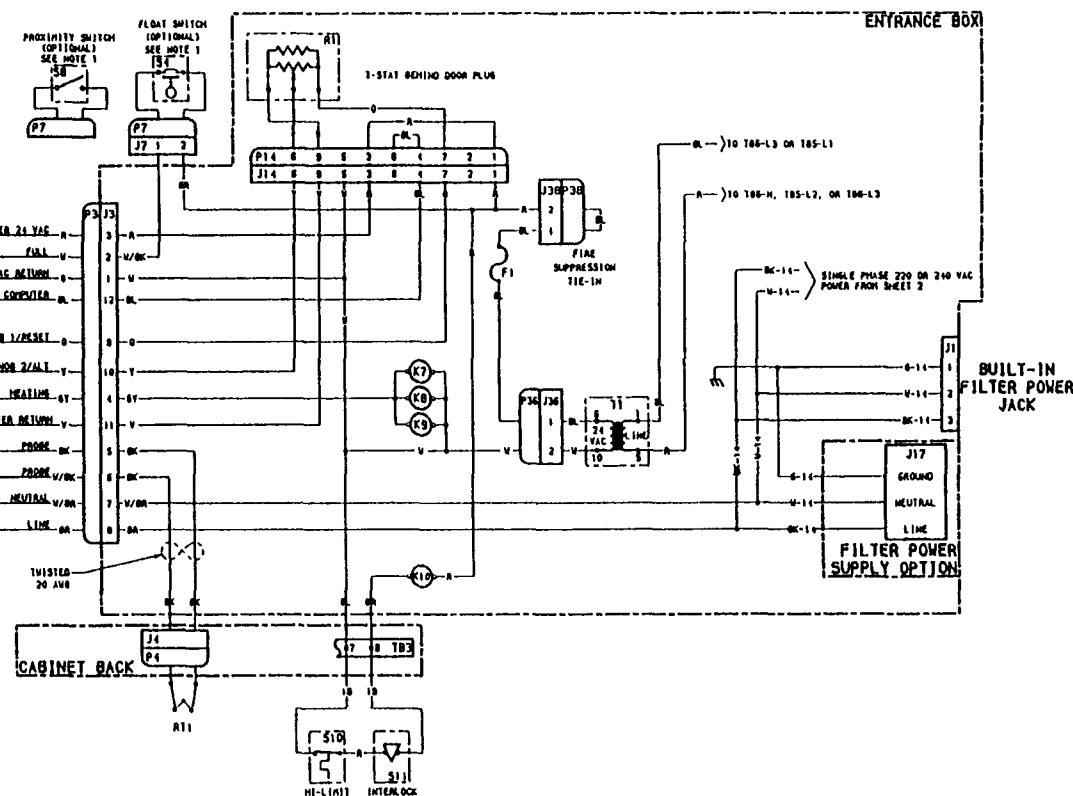
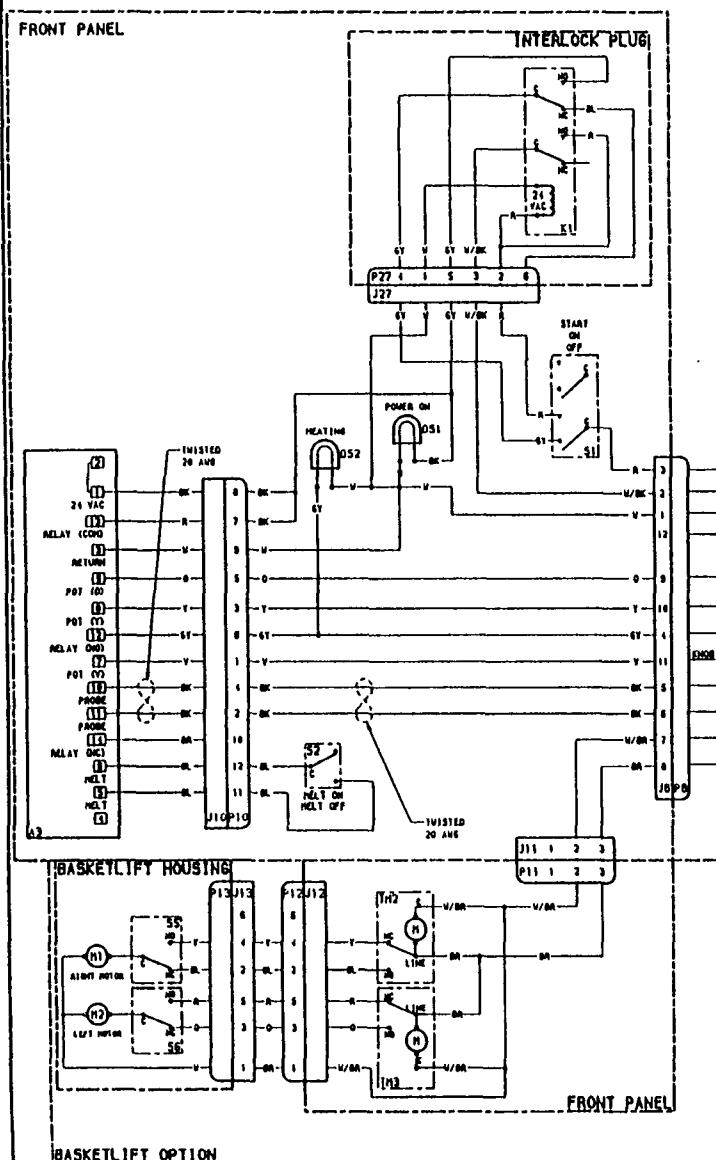
TABLE 1

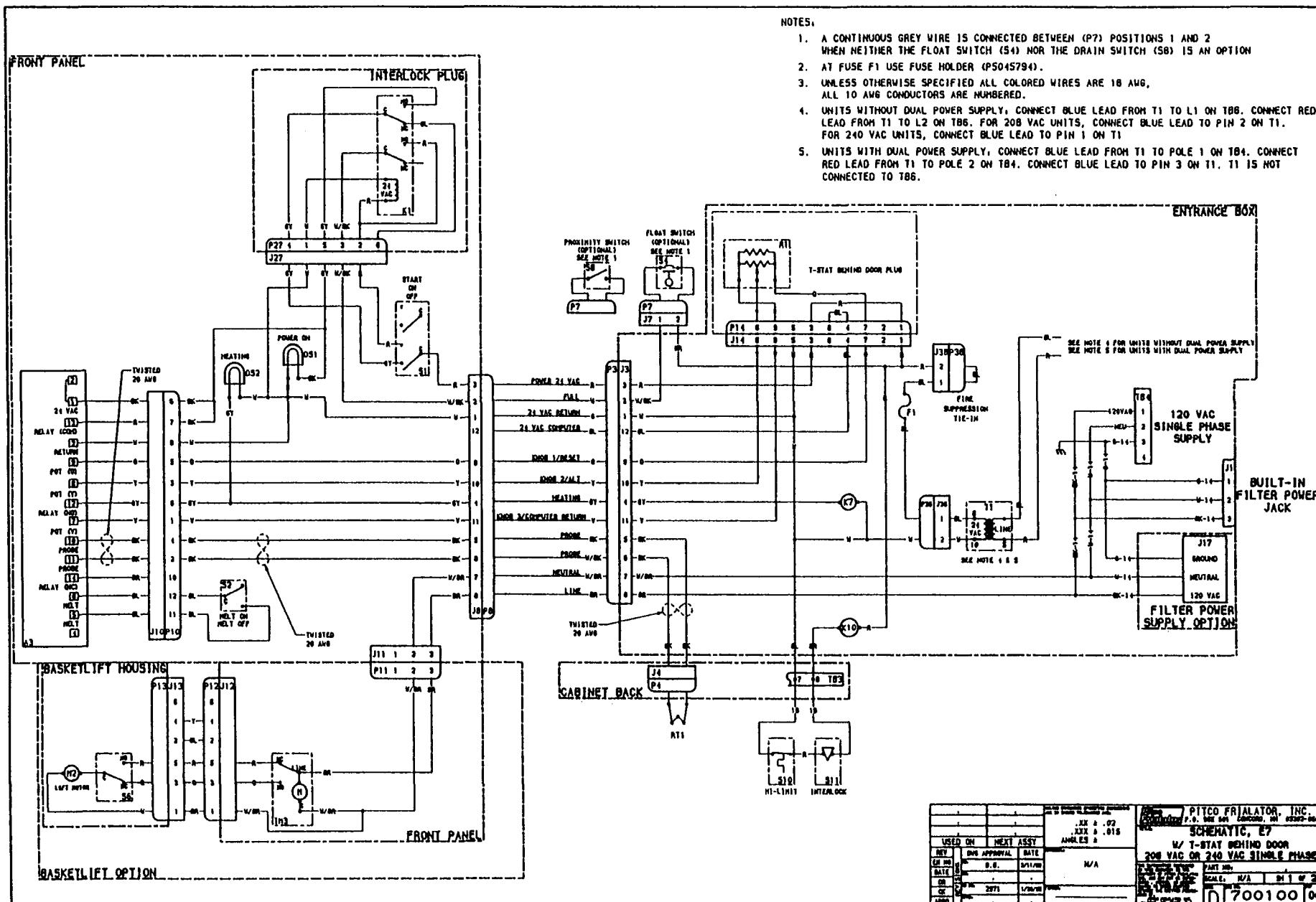
MODEL E14 (16 KV, 5 KV ELEMENTS)			MODEL E14B (21KV, 7KV ELEMENTS)			MODEL E14X (13 KV, 1 KV ELEMENTS)			MODEL E18 (18KV, 6KV ELEMENTS)			MODEL E18B (24KV, 8KV ELEMENTS)		
VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3
480	L1-19.8 AMPS 3 PHASE	PS046919	480	L1-25.3 AMPS 3 PHASE	PS046960	480	L1-16.2 AMPS 3 PHASE	PS046917	480	L1-21.7 AMPS 3 PHASE	PS046900	480	L1-28.6 AMPS 3 PHASE	PS046952
	L2-19.8 AMPS 3 WIRE & GND			L2-25.3 AMPS 3 WIRE & GND			L2-16.2 AMPS 3 WIRE & GND			L2-21.7 AMPS 3 WIRE & GND			L2-28.6 AMPS 3 WIRE & GND	
	L3-19.8 AMPS 3 WIRE & GND			L3-25.3 AMPS 3 WIRE & GND			L3-16.2 AMPS 3 WIRE & GND			L3-21.7 AMPS 3 WIRE & GND			L3-28.6 AMPS 3 WIRE & GND	

R11	PS044881	PROBE, THERMISTOR -100K	1
TH2, TH3	PS047561	TIMER, 120VAC 60 HZ 15 MIN (B/L)	2
T84	PS045282	TERM BLOCK, 4 POST-BARRIER	1
T83	PS047303	TERM BLOCK, 8 POST (ELEMENT)	1
T81	PS047301	TERM BLOCK, 3 POST-ENTRANCE	1
J1	PP10428	WFO, 80VA/480/480V TO 24V	1
S11	PS047170	SWITCH, INTERLOCK	1
S10	PS047216	SWITCH, HI TEMPERATURE LIMIT	1
S8	PP10262	SWITCH, PROXIMITY SENSOR (DVI ONLY)	1
S5, S6	PS047169	SWITCH, ROLLER-SPOT (BASKET) (FT)	2
S4	PS047217	SWITCH, FLOAT (OPTIONAL)	1
S2	PP10093	SWITCH, ROCKER - SPOT (ON-OFF)	1
S1	PP10559	SWITCH, ROCKER-SPOT W/BK (0-1-11)	1
R1	PS045582	POTENTIOMETER, 500K	1
P14	PS045660	CONNECTOR, PLUG-9 PIN MOLEX	1
P12, P13, P27	PP10204	CONNECTOR, PLUG-6 PIN MOLEX	3
P11	PP10090	CONNECTOR, PLUG-3 PIN MOLEX	1
P4, P7, P36, P38	PS045629	CONNECTOR, PLUG-2 PIN MOLEX	4
P3, P8, P10	PP10208	CONNECTOR, PLUG-12 PIN MOLEX	3
HP1	PS045241	LOG, GROUND #8-2 AWG	1
H2	B5600801	B/L, MOTOR ASSY LH - 120 VAC	1
H1	PS046360	MOTOR, GEAR-120VAC 60 HZ (B/L)	1
K10	PP10560	CONTACTOR, DEF PUMP-40AMP 24VAC 3PST-HO	1
X7-X9	PP10553	CONTACTOR, MERCURY-40AMP 24VAC SPST-HO	3
K1	PS046866	RELAY, 24 VAC - DPDT W/HTG TABS	1
J17	PP10103	RECEPTACLE, 3 PRONG (OPTIONAL)	1
J14	PS045830	CONNECTOR, JACK-9 SKT MOLEX	1
J12, J13, J27	PP10205	CONNECTOR, JACK-6 SKT MOLEX	3
J4, J7, J36, J38	PS045839	CONNECTOR, JACK-2 SKT MOLEX	4
J5, J8, J10	PP10209	CONNECTOR, JACK-12 SKT MOLEX	3
J1, J11	PP10089	CONNECTOR, JACK-3 SKT MOLEX	2
HR1-HR3	SEE TABLE 1	ELEMENT, TUBULAR	3
F1	PS045720	FUSE, 4 AMP-SLOW BLOW (GLASS)	1
D52	PS045044	LAMP, RECTANGULAR - AMBER 24 VAC	1
D51	PS045043	LAMP, RECTANGULAR - CLEAR 24 VAC	1
A3	PP10562	CONTROLLER, 60 - 24 VAC ON-45 OFF-265	1
NOMENCLATURE PART NO.		DESCRIPTION	QTY
PARTS LIST			



IN INVENTORY
ITEM 5 OF 10
SCALE: N/A
REV: 2
D 700095 00



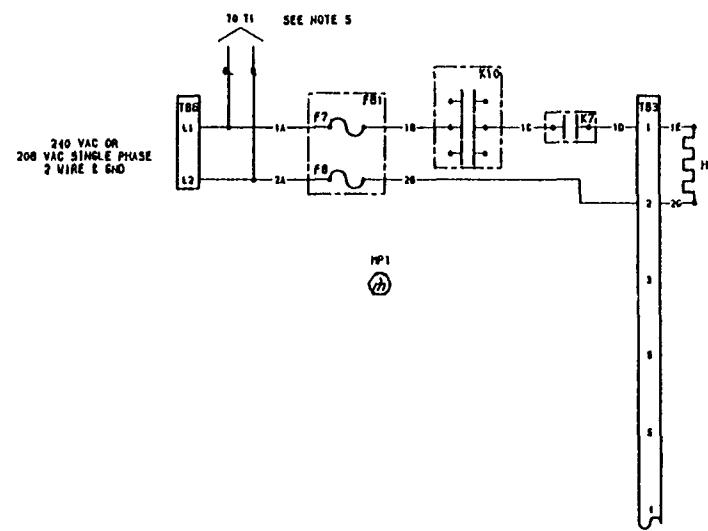


USED ON	NEXT ASSY	REV A 07	REV B 015	SCHEMATIC, E7
REV NO	SWS APPROVAL	DATE	ANNEE A	W/ T-STAT BEHIND DOOR
EN NO	B.G.	07/1986	M/A	208 VAC OR 240 VAC SINGLE PHASE
DATE				
DB				
CG				
APPN				

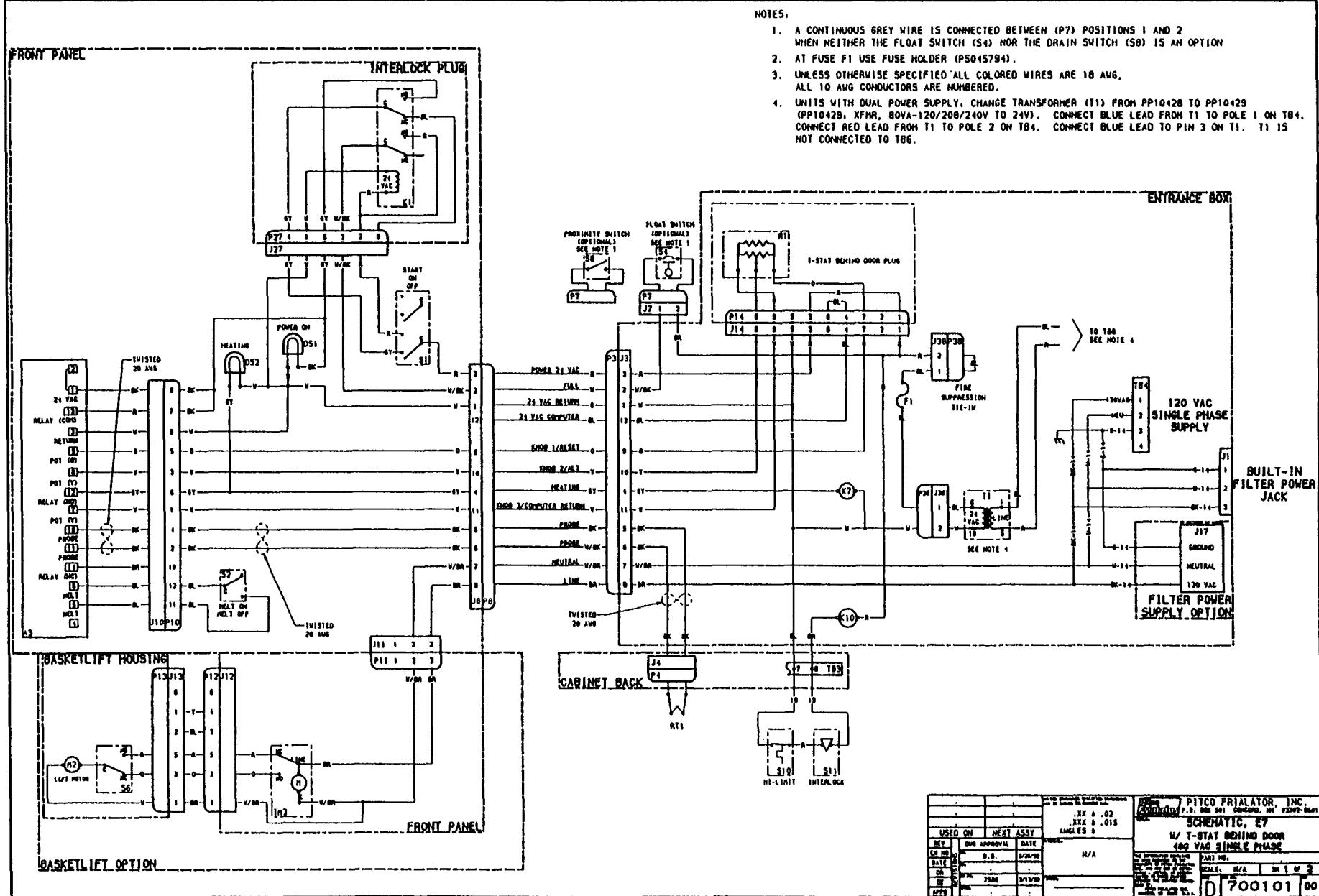
PITCO FRIALATOR, INC.
P.O. BOX 501 CONCORD, N.H. 03301-0501
SCHEMATIC, E7
W/ T-STAT BEHIND DOOR
208 VAC OR 240 VAC SINGLE PHASE
DRAWN BY: PART NO.:
DESIGNER: DATE: SCALE: M 1 w 2
APPROVED: APPROVAL: DATE: APPROVAL: DATE:
D 700100 00

T88	PS047302	TERM BLOCK, 2 POST-ENTRANCE	1
TH3	PS047581	TIKER, 120VAC 80 HZ 15 MIN (6/L)	1
TB4	PS045282	TERM BLOCK, 4 POST-BARRIER	1
TB3	PS047303	TERM BLOCK, 8 POST (ELEMENT)	1
T1	PP10129	ZFWB, BOVA-120/208/240V 10 24V	1
S11	PS047170	SWITCH, INTERLOCK	1
S10	PS047218	SWITCH, HI TEMPERATURE LIMIT	1
S8	PP102621	SWITCH, PROXIMITY SENSOR (DVI ONLY)	1
S8	PS047163	SWITCH, ROLLER-SPOT (BASKET LEFT)	1
S4	PS047217	SWITCH, FLOAT (OPTIONAL)	1
S2	PP100933	SWITCH, ROCKER-SPOT (ON-ON)	1
S1	PS046559	SWITCH, ROCKER-DPDT W/BK (0-1-(1))	1
A11	PS044681	PROBE, THERMISTOR-100K	1
A1	PS046582	POTENTIOMETER, 500K	1
P14	PS045880	CONNECTOR, PLUG-6 PIN MOLEX	1
P12,P13,P27	PP102641	CONNECTOR, PLUG-6 PIN MOLEX	3
P11	PP100930	CONNECTOR, PLUG-3 PIN MOLEX	1
P4,P7,P36,P38	PS045079	CONNECTOR, PLUG-2 PIN MOLEX	4
P3,P8,P10	PP102028	CONNECTOR, PLUG-12 PIN MOLEX	3
H1	PS045241	LINK, GROUND-2A 2- AVG	1
H2	BS560601	B/L, MOTOR ASSY LH - 120 VAC	1
K10	PP10560	CONTACTOR, DEF PURP-40AMP 24VAC 3PST-NO	1
K7	PP10553	CONTACTOR, MERCURY-40AMP 24VAC SPST-NO	1
K1	PS046588	RELAY, 24 VAC - DPDT W/H16 TABS	1
J12	PP10103	RECEPIECE, 3 PRONG (OPTIONAL)	1
J14	PS045838	CONNECTOR, JACK-8 SKT MOLEX	1
J12,J13,J27	PP102025	CONNECTOR, JACK-8 SKT MOLEX	3
J4,J7,J36,J38	PS045039	CONNECTOR, JACK-2 SKT MOLEX	4
J3,J8,J10	PP102029	CONNECTOR, JACK-12 SKT MOLEX	3
J1,J11	PP100889	CONNECTOR, JACK-3 SKT MOLEX	2
HR4	SEE TABLE 1	ELEMENT, TUBULAR	1
F81	PS045792	FUSE BLOCK, 3 POST	1
F7,F8	PS045702	FUSE, 50 AMP-SLOW BLOW	2
F1	PS045720	FUSE, 1 AMP-SLOW BLOW (GLASS)	1
D52	PS045044	LAMP, RECTANGULAR - AMBER 24 VAC	1
D51	PS045013	LAMP, RECTANGULAR - CLEAR 24 VAC	1
A3	PP10562	CONTROLLER, 60-24 VAC ON-43 OFF-283	1
NOMENCLATURE		PART NO.	DESCRIPTION
PARTS LIST			

TABLE I		
MODEL E7 (7KV)		
VOLTAGE	LINE/AMPS	MR4
208 1 PHASE 2 WIRE 5 END	L1-33.7 AMPS L2-33.7 AMPS	PS04691
240 1 PHASE 2 WIRE 5 END	L1-29.2 AMPS L2-29.2 AMPS	PS04691

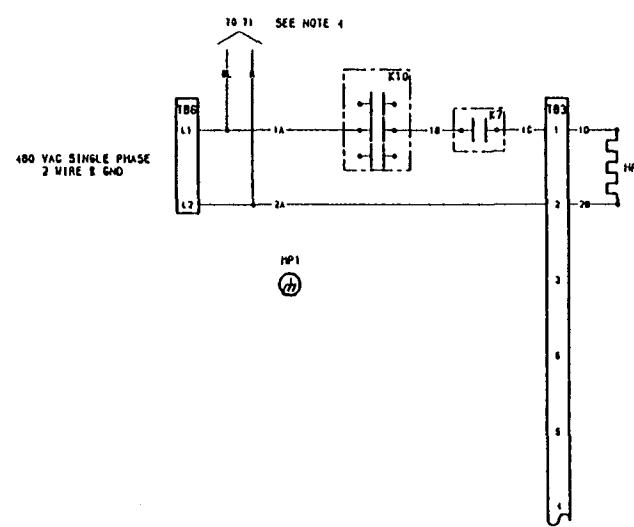


PART NO.
SCALE: N/A 312 or 2
D 700100 00

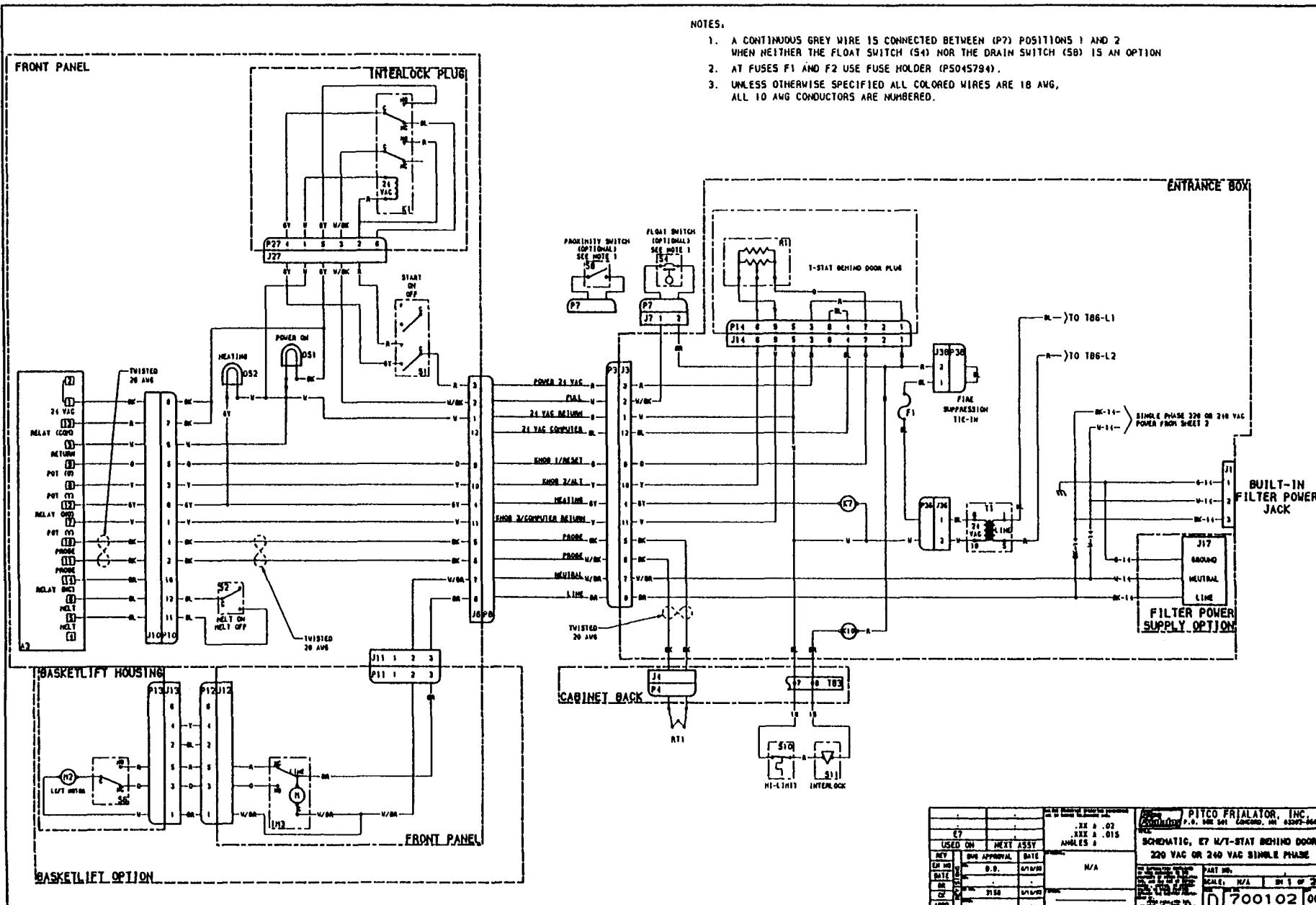


			QTY
T66	PS047302	TERM BLOCK, 2 POST-ENTRANCE	1
I13	PS047561	TIMER, 120VAC 60 HZ 15 MIN (6/L)	1
I84	PS045282	TERM BLOCK, 4 POST-BARRIER	1
I83	PS047303	TERM BLOCK, 8 POST (ELEMENT)	1
J1	PP10428	YFM8 BOVA-380/440/480V TO 24V	1
S11	PS047170	SWITCH, INTERLOCK	1
S10	PS047216	SWITCH, HI TEMPERATURE LIMIT	1
S8	PP10267	SWITCH, PROXIMITY SENSOR (OVI ONLY)	1
S6	PS047169	SWITCH, ROLLER-SPDT (BASKETLIFT)	1
S4	PS047217	SWITCH, FLOAT (OPTIONAL)	1
S2	PP10093	SWITCH, ROCKER-SPDT (ON-OFF)	1
S1	PP10559	SWITCH, ROCKER-SPDT 470K (0-(1))	1
R11	PS044881	PROBE, THERMISTOR-TOOK	1
R1	PS046582	POTENTIOMETER, 300Ω	1
P14	PS045860	CONNECTOR, PLUG-9 PIN HOLEX	1
P12, P13, P27	PP10204	CONNECTOR, PLUG-8 PIN HOLEX	3
P11	PP10090	CONNECTOR, PLUG-3 PIN HOLEX	1
P4, P7, P36, P38	PS045829	CONNECTOR, PLUG-2 PIN HOLEX	4
P3, P8, P10	PP10208	CONNECTOR, PLUG-12 PIN HOLEX	3
M1	PS045241	LUG, GROUND 6-2 AWG	1
M2	85600801	8/L, MOTOR ASSY LH - 120 VAC	1
K10	PP10560	CONTACTOR, DEF PURP-10AMP 24VAC 3PST-HO	1
K7	PP10553	CONTACTOR, MERCURY-10AMP 24VAC SPST-HO	1
K1	PS046686	RELAY, 24 VAC - DPDT W/HNG TABS	1
J17	PP10103	RECEPTACLE, 3 PRONG (OPTIONAL)	1
J14	PS045838	CONNECTOR, JACK-9 SKT HOLEX	1
J12, J13, J27	PP10205	CONNECTOR, JACK-6 SKT HOLEX	3
J4, J7, J36, J38	PS045839	CONNECTOR, JACK-2 SKT HOLEX	1
J3, J8, J10	PP10209	CONNECTOR, JACK-12 SKT HOLEX	3
J1, J11	PP10089	CONNECTOR, JACK-9 SKT HOLEX	2
NR4	SEE TABLE 1	ELEMENT, TUBULAR	1
F1	PS045720	FUSE, 4 AMP-SLOW BLOW (GLASS)	1
D52	PS045044	LAMP, RECTANGULAR - AMBER 24 VAC	1
D51	PS045043	LAMP, RECTANGULAR - CLEAR 24 VAC	1
A3	PP10562	CONTROLLER, 60 - 24 VAC ON-45 OFF-265	1
HOMENCLATURE	PART NO.	DESCRIPTION	QTY
PARTS LIST			

TABLE 1		
MODEL E7 (7KN)		
VOLTAGE	LINE/AMPS	NR4
480 1 PHASE 2 WIRE & GND	L1-14.8 AMPS L2-14.8 AMPS	PS046960



PRINTED IN U.S.A.	PART NO.
DATE 10-10-01	REV. A
SCALE: 1/4"	IN 2 OF 2
D 700101 00	



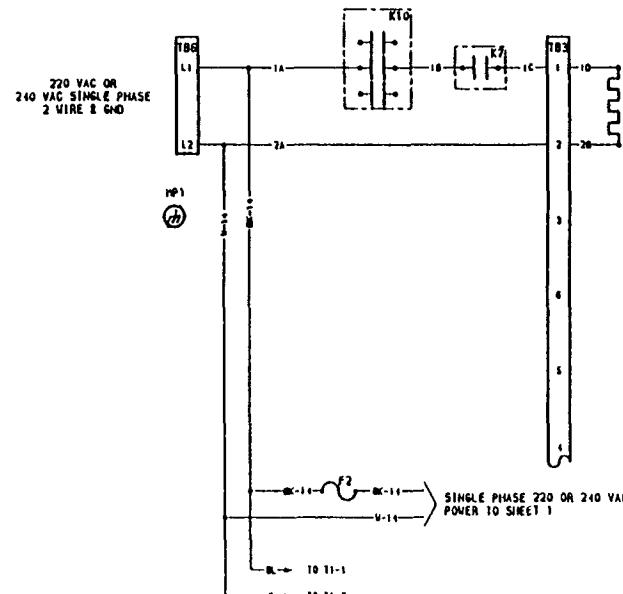
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C7		XX 8-93		N/A		SCH. NO. 1015	
USED ON		NEXT ASSY		N/A		ANALYST	
REV		DATE		N/A		DESIGNER	
EN NO.		DATE		N/A		PART NO.	
DATE		DATE		N/A		SCALE	
IN		IN		N/A		IN 1 OF 2	
OUT		OUT		N/A		D 700102 00	
APPROV.		APPROV.		APPROV.		APPROV.	

TABLE I

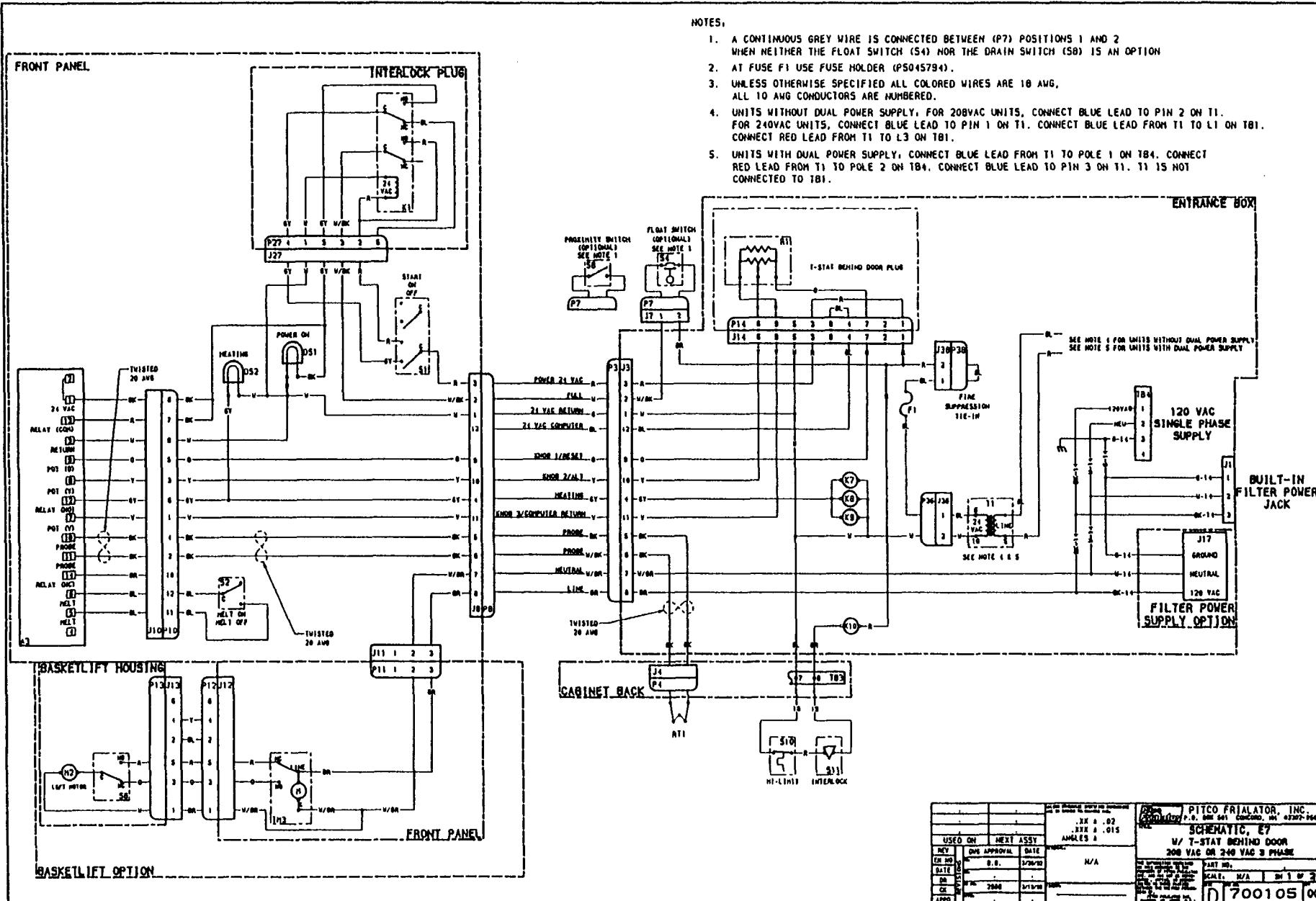
MODEL E7 (7KV)		
VOLTAGE	LINE/AMPS	HR4
220 1 PHASE 2 WIRE & GND	L1-31.8 AMPS L2-31.8 AMPS	PS046940
240 1 PHASE 2 WIRE & GND	L1-29.2 AMPS L2-29.2 AMPS	PS046916

TH3	PP10095	TIMER, 208/240 VAC 50 M2 15 MIN (B/L)	1
T86	PS047302	TERM BLOCK, 2 POST-ENTRANCE	1
T89	PS047303	TERM BLOCK, 8 POST (ELEMENT)	1
T1	PP10429	XFORM, BOVA-120/208/240V TO 24V	1
S11	PS047170	SWITCH, INTERLOCK	1
S10	PS047218	SWITCH, HI TEMPERATURE LIMIT	1
S8	PP10262	SWITCH, PROXIMITY SENSOR (DVI ONLY)	1
S6	PS047169	SWITCH, ROCKER-SPOT (BASKETLIFT)	1
S4	PS047217	SWITCH, FLOAT (OPTIONAL)	1
S2	PP10093	SWITCH, ROCKER-SPOT (ON-ON)	1
S1	PP10558	SWITCH, ROCKER-SPOT V/BK (O-1-1-1)	1
R11	PS044881	PROBE, THERMISTOR-LOOK	1
R1	PS046582	POTENTIOMETER, 500ohm	1
P14	PS045860	CONNECTOR, PLUG-9 PIN MOLEX	1
P12,P13,P27	PP10204	CONNECTOR, PLUG-6 PIN MOLEX	3
P11	PP10090	CONNECTOR, PLUG-3 PIN MOLEX	1
P1,P7,P36,P38	PS045829	CONNECTOR, PLUG-2 PIN MOLEX	4
P3,P8,P10	PP10208	CONNECTOR, PLUG-12 PIN MOLEX	3
MP1	PS045241	LUG, GROUND #8-2 AWG	1
H2	BS6000802	B/L, MOTOR, 455Y LH - 240 VAC	1
K10	PP10560	CONTACTOR, DEF PURP- (4AMP 24VAC 3PST-HO)	1
K7	PP10553	CONTACTOR, MERCURY-(4AMP 24VAC SPST-HO)	1
K1	PS046686	RELAY, 24 VAC - DPDT W/MTC TABS	1
J17	PP10476	RECEPTACLE, NEMA 6-15A (OPTIONAL)	1
J14	PS045838	CONNECTOR, JACK-9 SKT MOLEX	1
J12,J13,J27	PP10205	CONNECTOR, JACK-6 SKT MOLEX	3
J4,J7,J36,J38	PS045839	CONNECTOR, JACK-2 SKT MOLEX	1
J3,J8,J10	PP10208	CONNECTOR, JACK-12 SKT MOLEX	3
J1,J11	PP10089	CONNECTOR, JACK-3 SKT MOLEX	2
HR4	SEE TABLE I	ELEMENT, TUBULAR	1
F2	PS045721	FUSE, 7 AMP-SLOW BLOW (GLASS)	1
F1	PS045720	FUSE, 4 AMP-SLOW BLOW (GLASS)	1
DS2	PS045044	LAMP, RECTANGULAR - AMBER 24 VAC	1
DS1	PS045043	LAMP, RECTANGULAR - CLEAR 24 VAC	1
A3	PP10562	CONTROLLER, 60 - 24 VAC ON-15 OFF-265	1
HOMENCLATURE	PART NO.	DESCRIPTION	QTY

PARTS LIST



PP10095	PART NO.
PS047302	SCALE: N/A
PS047303	REV: 2 of 2
PP10429	D 700102 00



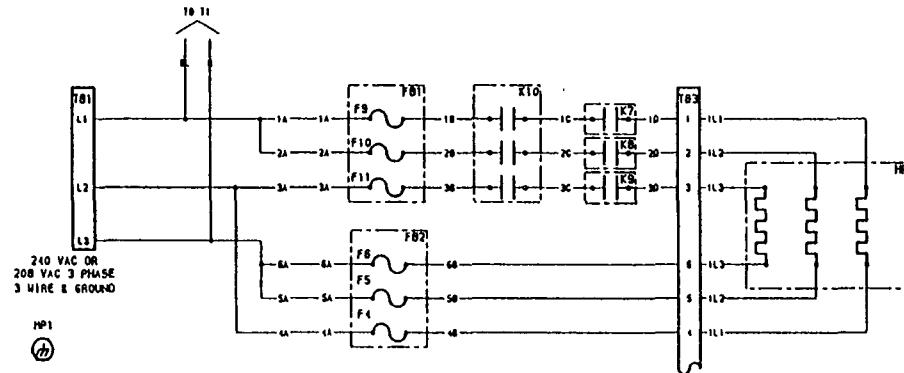
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EN NO.	0.0.	2/20/93		N/A
DATE				
DA				
GE	2044	2/20/93		
APPO				

PITCO FRIALATOR, INC.
20001007 P.O. BOX 561 CONCORD, MA 01742-5661
SCHEMATIC, E7
W/T-STAT BEHIND DOOR
208 VAC OR 240 VAC 3 PHASE
PART NO.
CAL. N/A S/N 1 W/ 2
D 700105 00

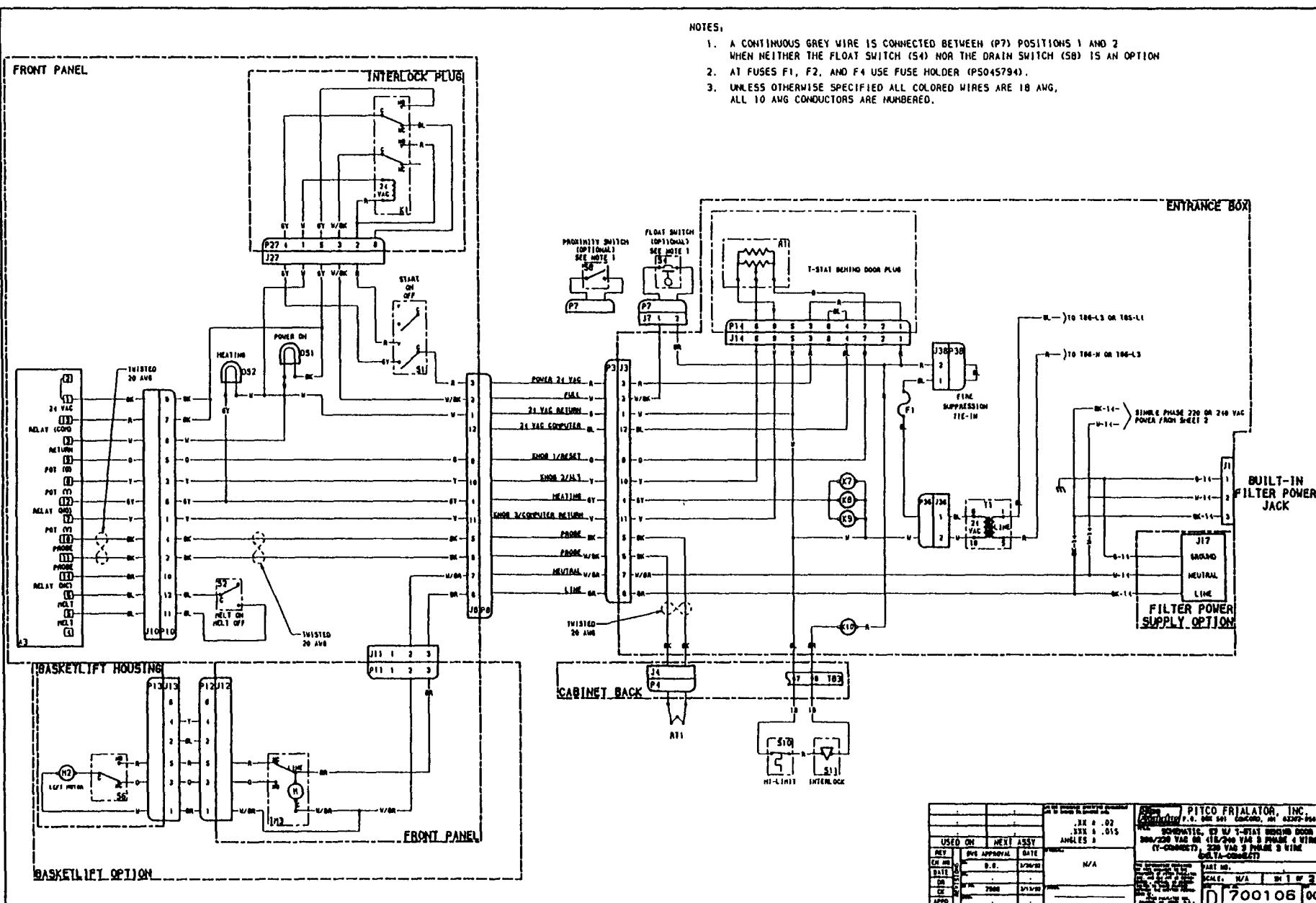
TABLE 1		
MODEL E7 (7KW, 7KW ELEMENT)		
VOLTAGE	LINES/AMPS	HRI
208 3 PHASE 3 WIRE & GND	L1-19.4 AMPS L2-19.4 AMPS L3-19.4 AMPS	PP10599
240 3 PHASE 3 WIRE & GND	L1-16.8 AMPS L2-16.8 AMPS L3-16.8 AMPS	PP10291

SEE NOTE 5

R11	PS044081	PROBE, THERISTOR -100K	1
TH3	PS047561	TIMER, 120VAC 60 HR 15 MIN (B/L)	1
T84	PS045282	TERM BLOCK, 4 POST-BARRIER	1
T83	PS047303	TERM BLOCK, 8 POST (ELEMENT)	1
T81	PS047301	TERM BLOCK, 3 POST-ENTRANCE	1
T1	PP10429	XFR, BOVA-120/208/240V TO 24V	1
S11	PS047170	SWITCH, INTERLOCK	1
S10	PS047216	SWITCH, HI TEMPERATURE LIMIT	1
S8	PP10262	SWITCH, PROXIMITY SENSOR (OVI ONLY)	1
S6	PS047169	SWITCH, ROLLER-SPOT (BASKET/LIFT)	1
S4	PS047217	SWITCH, FLOAT (OPTIONAL)	1
S2	PP10093	SWITCH, ROCKER - SPDT (ON-ON)	1
S1	PP10559	SWITCH, ROCKER-DPDT 1/8K (0-1-(1))	1
R1	PS046582	POTENTIOMETER, 9000	1
P14	PS045860	CONNECTOR, PLUG-9 PIN MOLEX	1
P12, P13, P27	PP10204	CONNECTOR, PLUG-8 PIN MOLEX	3
P11	PP10090	CONNECTOR, PLUG-3 PIN MOLEX	1
P4, P7, P8, P38	PS045829	CONNECTOR, PLUG-2 PIN MOLEX	4
P3, P8, P10	PP10208	CONNECTOR, PLUG-12 PIN MOLEX	3
M91	PS045241	LUG, GROUND #8-2 AWG	1
H2	BS680801	G/F, MOTOR ASSY LH - 120 VAC	1
K10	PP10560	CONTACTOR, DEF PURP-40AMP 24VAC 3PST-HO	1
K7-K9	PP10553	CONTACTOR, MERCURY-40AMP 24VAC SPST-HO	3
K1	PS046886	RELAY, 24 VAC - DPDT W/HG TABS	1
J17	PP10103	RECEPTACLE, 3 PRONG (OPTIONAL)	1
J14	PS045838	CONNECTOR, JACK-9 SKT MOLEX	1
J12, J13, J27	PP10205	CONNECTOR, JACK-8 SKT MOLEX	3
J4, J7, J8, J36	PS045839	CONNECTOR, JACK-2 SKT MOLEX	4
J3, J8, J10	PP10209	CONNECTOR, JACK-12 SKT MOLEX	3
J1, J11	PP10089	CONNECTOR, JACK-3 SKT MOLEX	2
HRI	SEE TABLE 1	ELEMENT, FLATBAR 7KW-E?	1
F81, F82	PS045792	FUSE BLOCK, 3 POST	2
F4-F6, F9-F11	PS045701	FUSE, 4 AMP-SLOW BLOW	6
F1	PS045720	FUSE, 4 AMP-SLOW BLOW (GLASS)	1
D52	PS045044	LAMP, RECTANGULAR - AMBER 24 VAC	1
D51	PS045043	LAMP, RECTANGULAR - CLEAR 24 VAC	1
A3	PP10562	CONTROLLER, 60 - 24 VAC OH-45 OFF-265	1
NOMENCLATURE PART NO.		DESCRIPTION	QTY
PARTS LIST			



PRINTED DATE	PART NO.
REVISED DATE	SCALE
PP10599	H/A
PP10599	IN 2 OF 2
D 700105 00	



DATE DRAWN & CHECKED		DATE APPROVED		APPROVED BY	
		.XXX	.02		
		.XXX	.0155		
USED ON	NEXT ASSY	ANGLES A			
REV NO.	PMS APPROVAL DATE				
DATE	8.8.	M/A			
DR					
CR					
APPD					
REVISIONS		PART NO.		DATE	
REV A		M/A		M 1 0 2	
REV B		700106		00	

PITCO FRIALATOR, INC.
P.O. BOX 561 Concord, NH 03301-0561

WEL. SOLARATIC, 37 W. T-STAT REVERSING DOOR
208/220 VAC OR 115/240 VAC 3 PHASE 4 WIRE
(T-CONNECT), 220 VAC 2 PHASE 3 WIRE
(T-CONNECT)

10 AMP CIRCUIT BREAKER

10 AMP CIRCUIT BREAKER

10 AMP CIRCUIT BREAKER

10 AMP CIRCUIT BREAKER

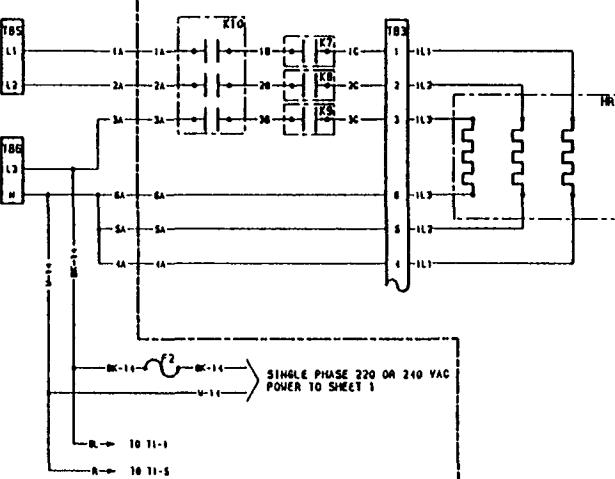
TABLE I

TABLE 1			
MODEL E7 (7KVA/7K ELEMENT)			
VOLTAGE	LINE/AMPS	HAR-HR3	
220	L1-18.4 AMPS	PP10289	
3 PHASE	L2-18.4 AMPS		
3 WIRE R GND (DELTA CONNECT)	L3-18.4 AMPS		
380/220	L1-10.6 AMPS	PP10289	
3 PHASE	L2-10.6 AMPS		
4 WIRE R GND (Y CONNECT)	L3-10.6 AMPS		
415/240	L1-9.7 AMPS	PP10291	
3 PHASE	L2-9.7 AMPS		
4 WIRE R GND (Y CONNECT)	L3-9.7 AMPS		

Tn3	PP10095	TIMER, 200/240 VAC 50 HZ 15 MIN (8/L)	1
T05, T06	PS047302	TERM BLOCK, 2 POST-ENTRANCE	2
T03	PS047303	TERM BLOCK, 8 POST (ELEMENT)	1
T1	PP101249	XFRM, BOYA-120/200/240V TO 24V	1
S11	PS047170	SWITCH, INTERLOCK	1
S10	PS047216	SWITCH, HI TEMPERATURE LIMIT	1
S8	PP102671	SWITCH, PROXIMITY SENSOR (DVI ONLY)	1
S6	PS047169	SWITCH, ROLLER-SPOUT (BASKETLIFT)	1
S4	PS047217	SWITCH, FLOAT (OPTIONAL)	1
S2	PP10093	SWITCH, ROCKER-SPOUT (ON-ON)	1
S1	PP10559	SWITCH, ROCKER-SPOUT W/BK (0-1-1-1)	1
RT1	PS044881	PROBE, THERMISTOR-100K	1
R1	PS046580	POTENTIOMETER, 500ohm	1
P14	PS045860	CONNECTOR, PLUG-9 PIN HOLEX	1
P12, P13, P27	PP10204	CONNECTOR, PLUG-6 PIN HOLEX	3
P11	PP10094	CONNECTOR, PLUG-3 PIN HOLEX	1
P4, P7, P36, P50	PS045829	CONNECTOR, PLUG-2 PIN HOLEX	4
P8, P10	PP10204	CONNECTOR, PLUG-12 PIN HOLEX	3
NP1	PS045241	LUG, GROUND 16-2 AWG	1
H2	BS600802	B/L, MOTOR ASSY LH - 240 VAC	1
K10	PP10563	CONTACTOR, DEF PURP-40AMP 24VAC 3PST-HO	1
K7-K9	PP10553	CONTACTOR, MERCURY-40AMP 24VAC SPST-NO	3
K1	PS046686	RELAY, 24 VAC - DPOT W/HG TABS	1
J17	PP10478	RECEPTACLE, NEMA 6-15R (OPTIONAL)	1
J14	PS045836	CONNECTOR, JACK-8 SKT HOLEX	1
J12, J13, J27	PP10203	CONNECTOR, JACK-3 SKT HOLEX	3
J1, J7, J36, J38	PS045939	CONNECTOR, JACK-2 SKT HOLEX	4
J3, JB, J10	PP10203	CONNECTOR, JACK-12 SKT HOLEX	3
J1, J11	PP10089	CONNECTOR, JACK-3 SKT HOLEX	2
HA1	SEE TABLE 1	ELEMENT, FLATBAR 7KW-E7	1
F2, F4	PS045721	FUSE, 7 AMP-SLOW BLOW (GLASS)	2
F1	PS045720	FUSE, 1 AMP-SLOW BLOW (GLASS)	1
052	PS045044	LAMP, RECTANGULAR - AMBER 24 VAC	1
D51	PS045013	LAMP, RECTANGULAR - CLEAR 24 VAC	1
A3	PP10582	CONTROLLER, 60 - 24 VAC ON-45 OFF-265	1
NONENCLATURE		PART NO.	DESCRIPTION
PARTS LIST			
OTW			

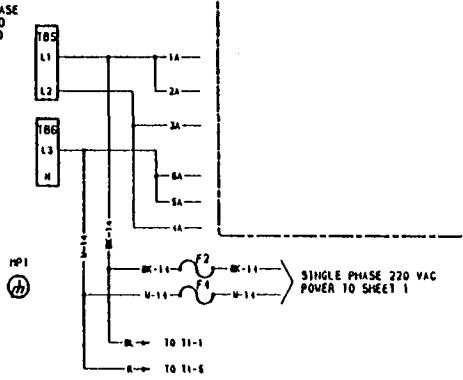
NIRE™ OPTION 1

380/220 VAC OR 415/240 VAC
3 PHASE 4 WIRE & GROUND
(Y CONNECT)



STANDARD OPTIONS

220 VAC THREE PHASE
3 WIRE & GROUND
(DELTA CONNECT)



PLAT NO.
SCHL. H/A 31 3 OF 2
D 700106 00

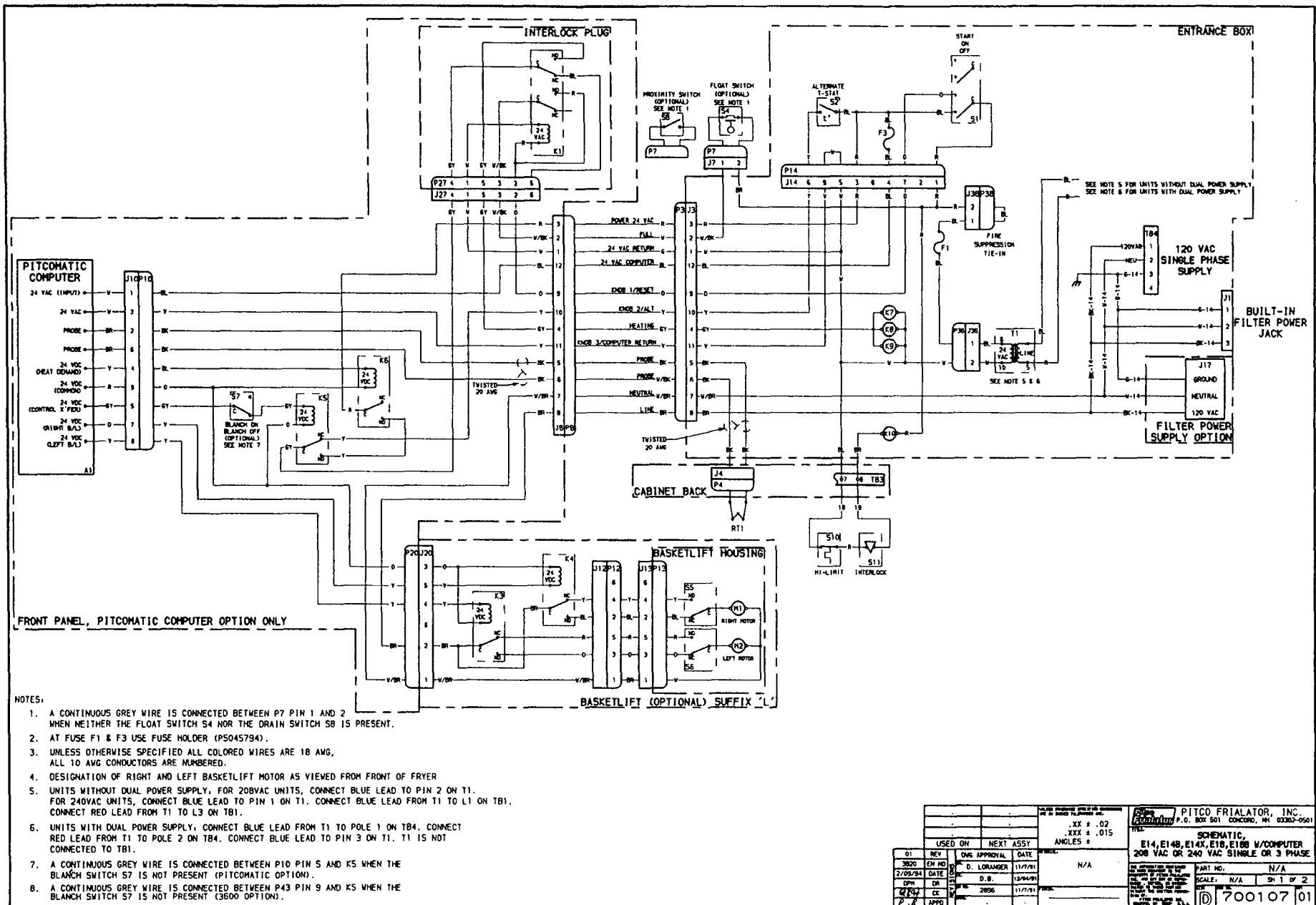
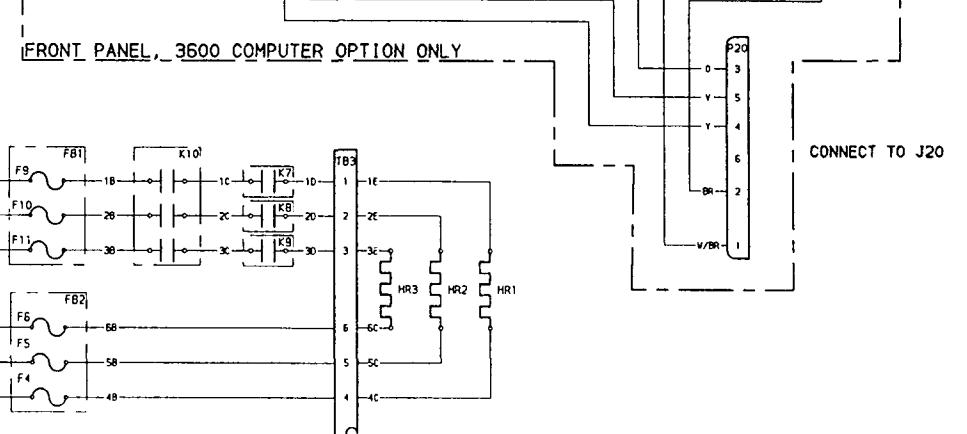
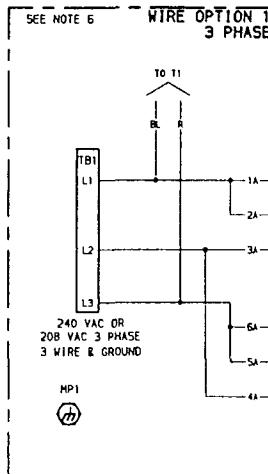
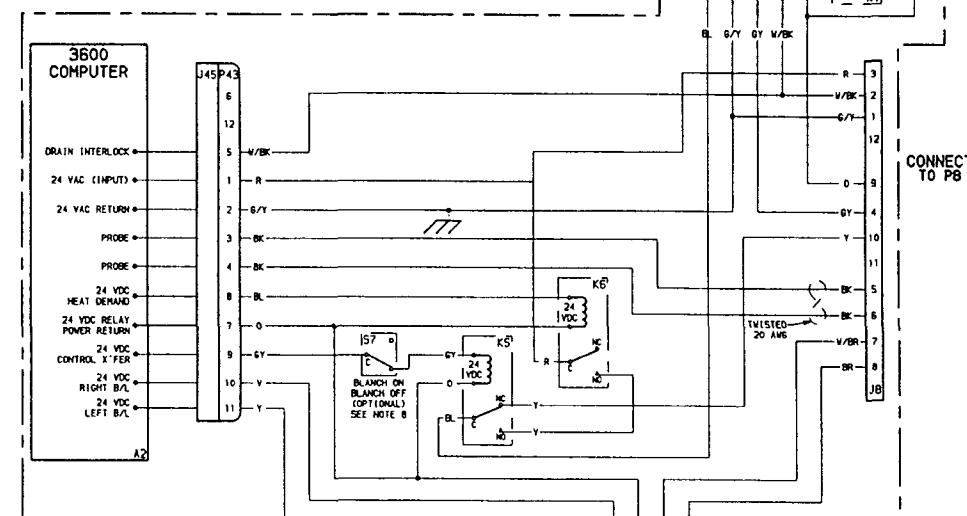
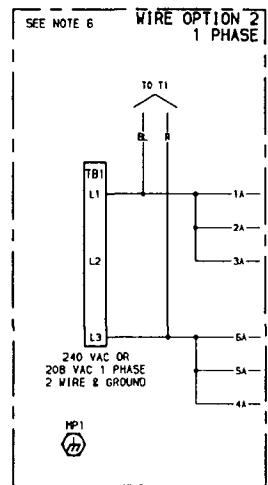
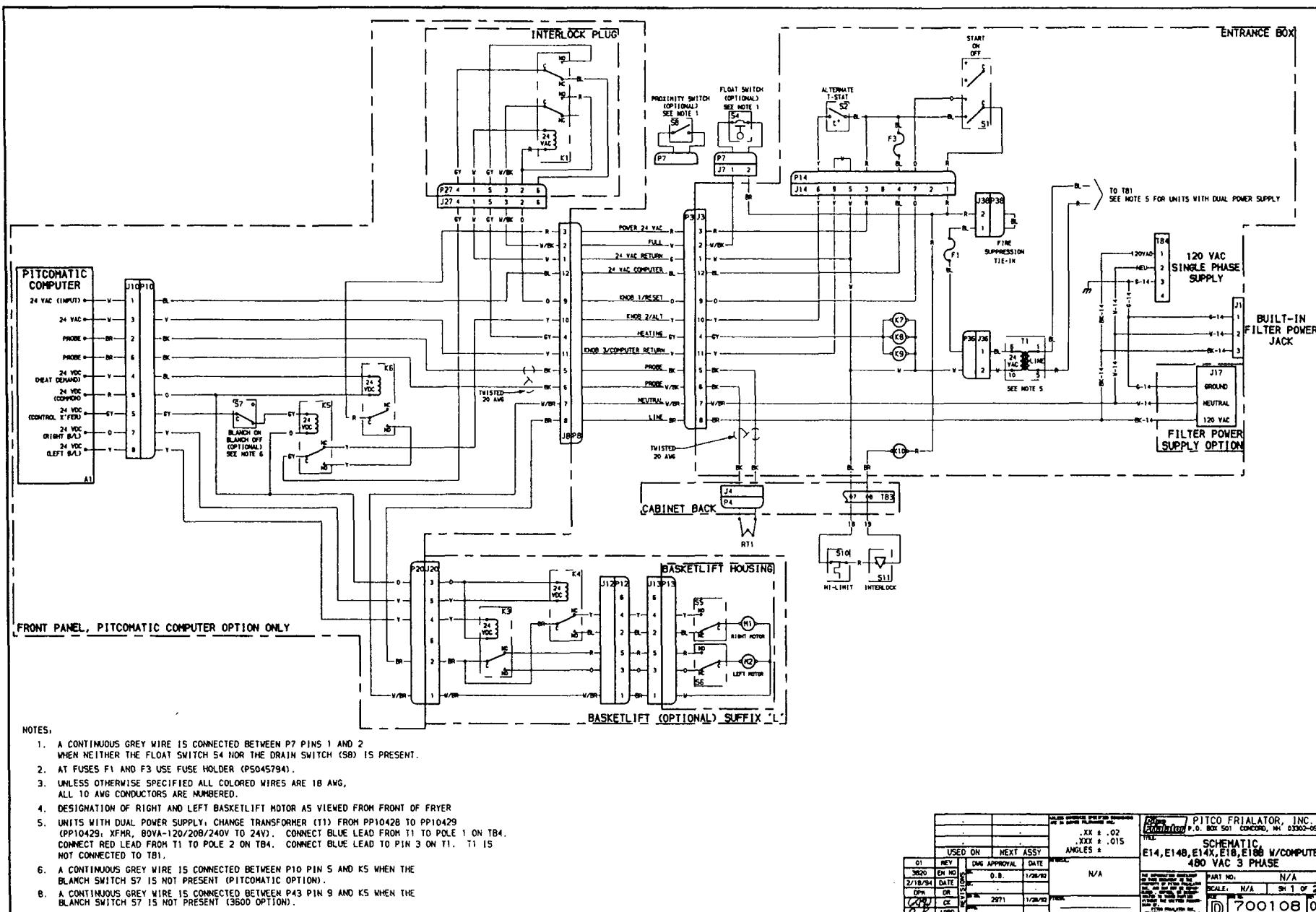


TABLE 1

MODEL E14 (16.5KW, 5.5KW ELEMENTS)			MODEL E14B (21KW, 7KW ELEMENTS)			MODEL E14X (13.5KW, 4.5KW ELEMENTS)			MODEL E1B (18KW, 6KW ELEMENTS)			MODEL E1BB (24KW, 8KW ELEMENTS)		
VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3
208 1 PHASE 2 WIRE & GND	L1-79.4 AMPS L3-79.4 AMPS	PS046920	208 1 PHASE 2 WIRE & GND	L1-101 AMPS L3-101 AMPS	PS046915	208 1 PHASE 2 WIRE & GND	L1-65.0 AMPS L3-65.0 AMPS	PS046913	208 1 PHASE 2 WIRE & GND	L1-86.5 AMPS L3-86.5 AMPS	PS046901	208 1 PHASE 2 WIRE & GND	L1-115.4 AMPS L3-115.4 AMPS	PS046903
240 1 PHASE 2 WIRE & GND	L1-68.8 AMPS L3-68.8 AMPS	PS046921	240 1 PHASE 2 WIRE & GND	L1-87.5 AMPS L3-87.5 AMPS	PS046916	240 1 PHASE 2 WIRE & GND	L1-56.2 AMPS L3-56.2 AMPS	PS046914	240 1 PHASE 2 WIRE & GND	L1-75.0 AMPS L3-75.0 AMPS	PS046902	240 1 PHASE 2 WIRE & GND	L1-100.0 AMPS L3-100.0 AMPS	PS046904
208 3 PHASE 3 WIRE & GND	L1-45.8 AMPS L2-45.8 AMPS L3-45.8 AMPS	PS046920	208 3 PHASE 3 WIRE & GND	L1-58.2 AMPS L2-58.2 AMPS L3-58.2 AMPS	PS046915	208 3 PHASE 3 WIRE & GND	L1-37.4 AMPS L2-37.4 AMPS L3-37.4 AMPS	PS046913	208 3 PHASE 3 WIRE & GND	L1-50.0 AMPS L2-50.0 AMPS L3-50.0 AMPS	PS046901	208 3 PHASE 3 WIRE & GND	L1-66.6 AMPS L2-66.6 AMPS L3-66.6 AMPS	PS046903
240 3 PHASE 3 WIRE & GND	L1-39.7 AMPS L2-39.7 AMPS L3-39.7 AMPS	PS046921	240 3 PHASE 3 WIRE & GND	L1-50.5 AMPS L2-50.5 AMPS L3-50.5 AMPS	PS046916	240 3 PHASE 3 WIRE & GND	L1-32.4 AMPS L2-32.4 AMPS L3-32.4 AMPS	PS046914	240 3 PHASE 3 WIRE & GND	L1-43.3 AMPS L2-43.3 AMPS L3-43.3 AMPS	PS046902	240 3 PHASE 3 WIRE & GND	L1-57.7 AMPS L2-57.7 AMPS L3-57.7 AMPS	PS046904

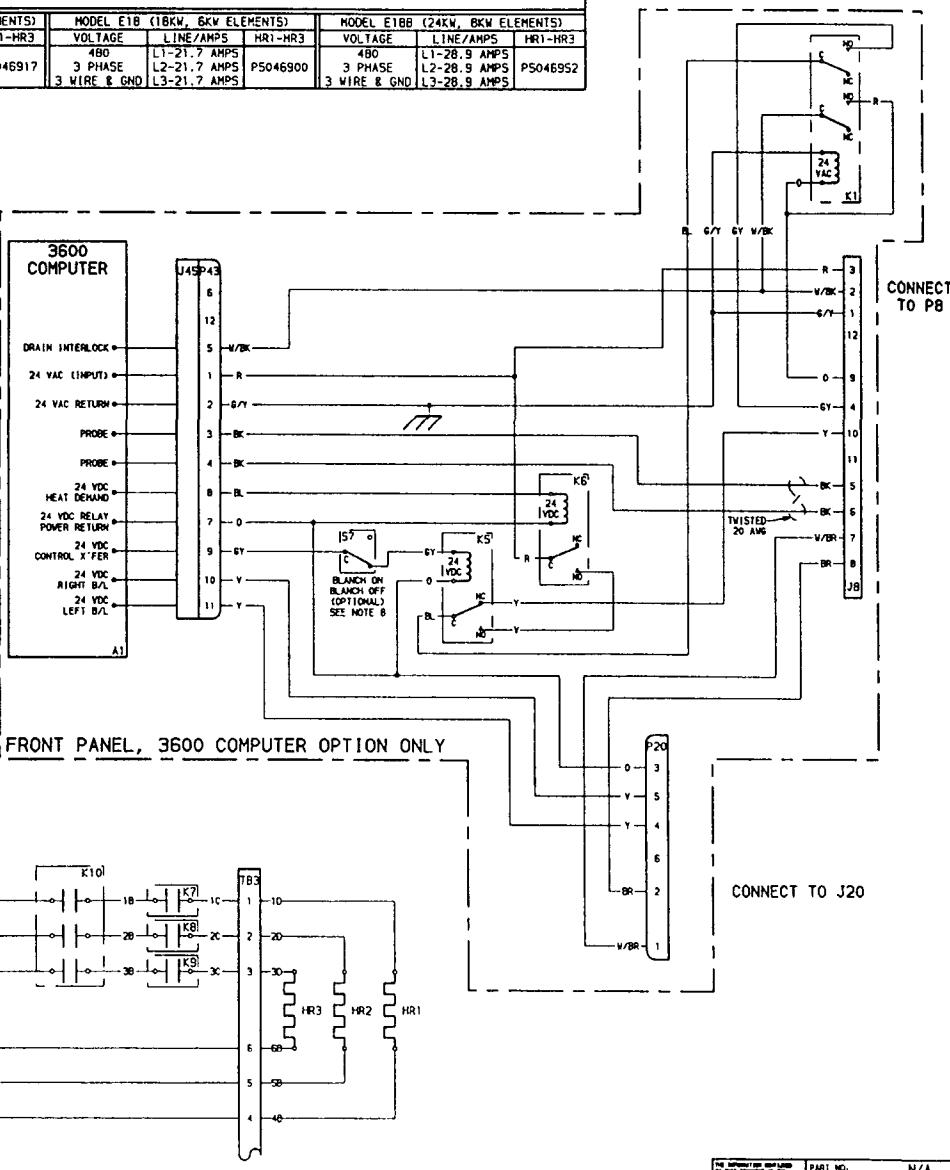


THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 01-01-2010 BY SP- REF ID: A6570		PART NO.	N/A
		SCALE:	N/A SH 2 OF 2
		FILED	10/10/2011
D	700107	01	



MODEL E1A (16.5KW, 5.5KW ELEMENTS)	MODEL E1B (21KW, 7KW ELEMENTS)	MODEL E1X4 (13.5KW, 4.5KW ELEMENTS)	MODEL E1B (18KW, 6KW ELEMENTS)	MODEL E1BB (24KW, 8KW ELEMENTS)										
VOLTAGE	L/INE/AMPS	HR1-HR3	VOLTAGE	L/INE/AMPS	HR1-HR3	VOLTAGE	L/INE/AMPS	HR1-HR3	VOLTAGE	L/INE/AMPS	HR1-HR3	VOLTAGE	L/INE/AMPS	HR1-HR3
480	L-15-9 AMPS		480	L-15-3 AMPS		480	L-16-2 AMPS		480	L-21-7 AMPS		480	L-20-9 AMPS	
3 PHASE	L-12-9.9 AMPS	P5046919	3 PHASE	L-2-3.3 AMPS	P5046960	3 PHASE	L-16-2 AMPS	P5046917	3 PHASE	L-21-7 AMPS	P5046900	3 PHASE	L-28-9 AMPS	P504695
3 WIRE & GND	L-13-9.9 AMPS		3 WIRE & GND	L-2-3.3 AMPS		3 WIRE & GND	L-16-2 AMPS		3 WIRE & GND	L-21-7 AMPS		3 WIRE & GND	L-3-28.9 AMPS	

TABLE I



A2	PP10805	3600 COMPUTER-7 SINGLE
	PP10804	3600 COMPUTER-14 SINGLE
RT1	PS044881	PROBE, THERMISTOR -100K
TB4	PS045282	TERM BLOCK, 4 POST-BARRIER
TB3	PS047303	TERM BLOCK, B POST (ELEMENT)
TB1	PS047301	TERM BLOCK, 3 POST-ENTRANCE
T1	PP10424	XFRN, BOVA-380/440/480V TO 24V
S11	PS047170	SWITCH, INTERLOCK
S10	PS047216	SWITCH, HI TEMPERATURE LIMIT
S8	PP10262	SWITCH, PROXIMITY SENSOR (DVI ONLY)
S7	PS047162	SWITCH, TOGGLE-SPST (BLANCH OPTION)
S5,S6	PS047169	SWITCH, ROLLER-SPDT (BASKETLIFT)
S4	PS047217	SWITCH, FLOAT (OPTIONAL)
S2	PS047587	SWITCH, T-STAT ELECTRIC (ALTERNATE)
S1	PP10551	SWITCH, ROCKER-SPDT WB (0--1--1)
P14	PS045860	CONNECTOR, PLUG-9 PIN MOLEX
P12, P13 P20, P27	PP10201	CONNECTOR, PLUG-6 PIN MOLEX
P10	PS045826	CONNECTOR, PLUG-9 PIN
P4, P7, P35, P38	PS045829	CONNECTOR, PLUG-2 PIN MOLEX
P3, P8, P43	PP10204	CONNECTOR, PLUG-12 PIN MOLEX
MP1	PS045241	LUG, GROUND #8-2 AWG
M2	B5060801	B/L, MOTOR ASSY LH - 120 VAC
M1	PS046380	MOTOR, GEAR-120VAC 60 HZ (B/L)
K10	PP10561	CONTACTOR, DEF PURP-40Amp 24VAC 3PST-NO
K7-K9	PP10553	CONTACTOR, MERCURY-40AMP 24VAC SPST-NO
K3-K6	PS046690	RELAY, 24VDC - SPDT
K1	PS046686	RELAY, 24 VAC - DPDT W/MHG TABS
J17	PP10103	RECEPTACLE, 3 PRONG (OPTIONAL)
J14	PS045838	CONNECTOR, JACK-9 SKT MOLEX
J12, J13 J20, J27	PP10205	CONNECTOR, JACK-6 SKT MOLEX
J10	PS045827	CONNECTOR, JACK-9 SKT
J4, J7, J16, J38	PS045839	CONNECTOR, JACK-2 SKT MOLEX
J3, JB, J45	PP10209	CONNECTOR, JACK-12 SKT MOLEX
J1	PP10089	CONNECTOR, JACK-3 SKT MOLEX
HR1-HR3	SEE TABLE 1	ELEMENT, TUBULAR
F3	PP10122	FUSE, 1 AMP-SLOW BLOW (GLASS)
F1	PS045720	FUSE, 4 AMP-SLOW BLOW (GLASS)
A1	PS044851	SINGLE PRODUCT PITCOMATIC COMPUTER
PS044850	MULTI PRODUCT PITCOMATIC COMPUTER	
NOMENCLATURE	PART NO.	DESCRIPTION
		PARTS LIST

THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 08-12-2018 BY SP-100	PART NO.	N/A
SCALE, H/A	SH 2 OF 2	
D 700108 01		

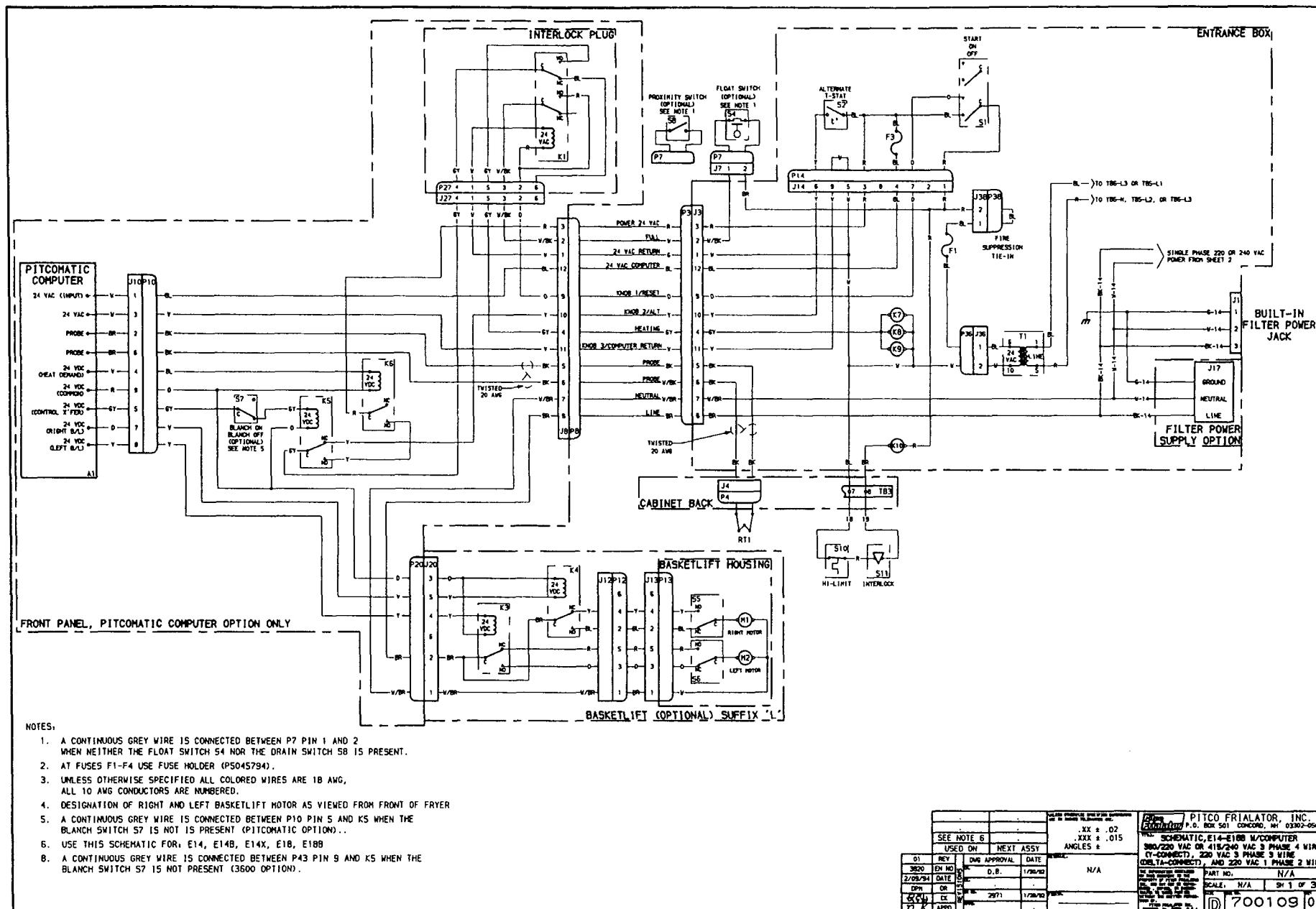
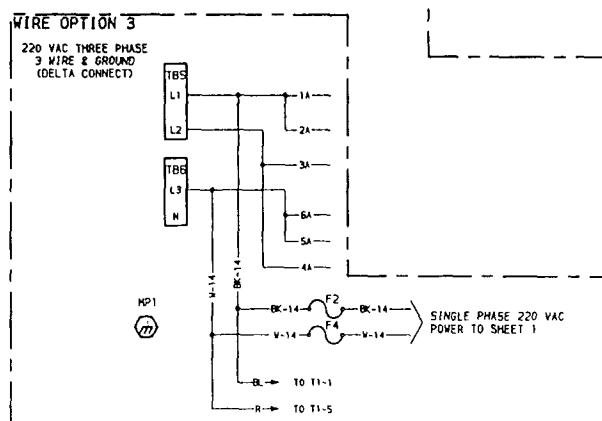
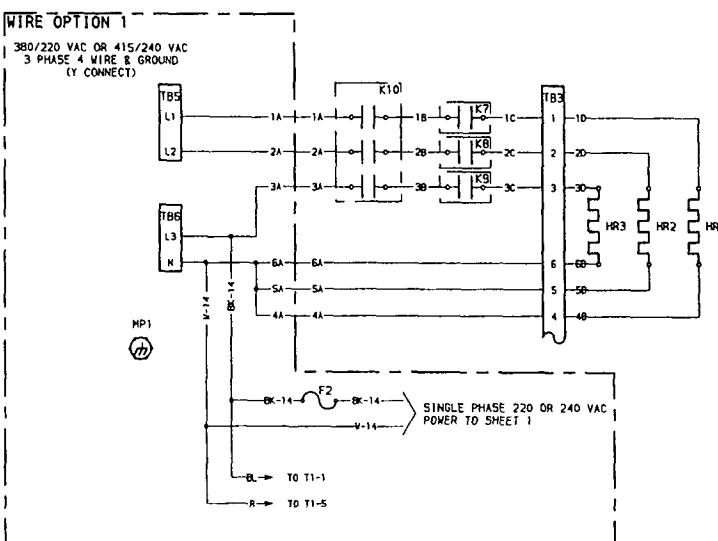
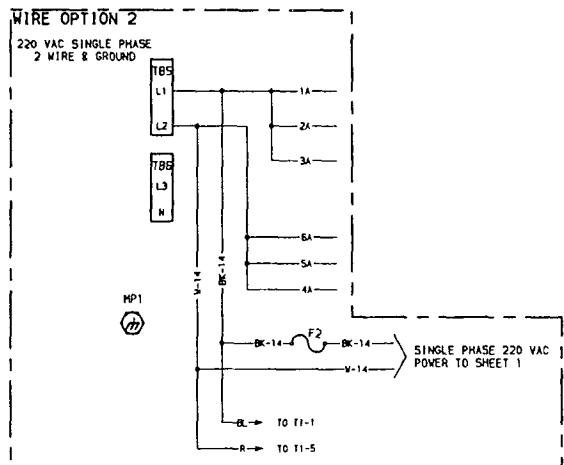


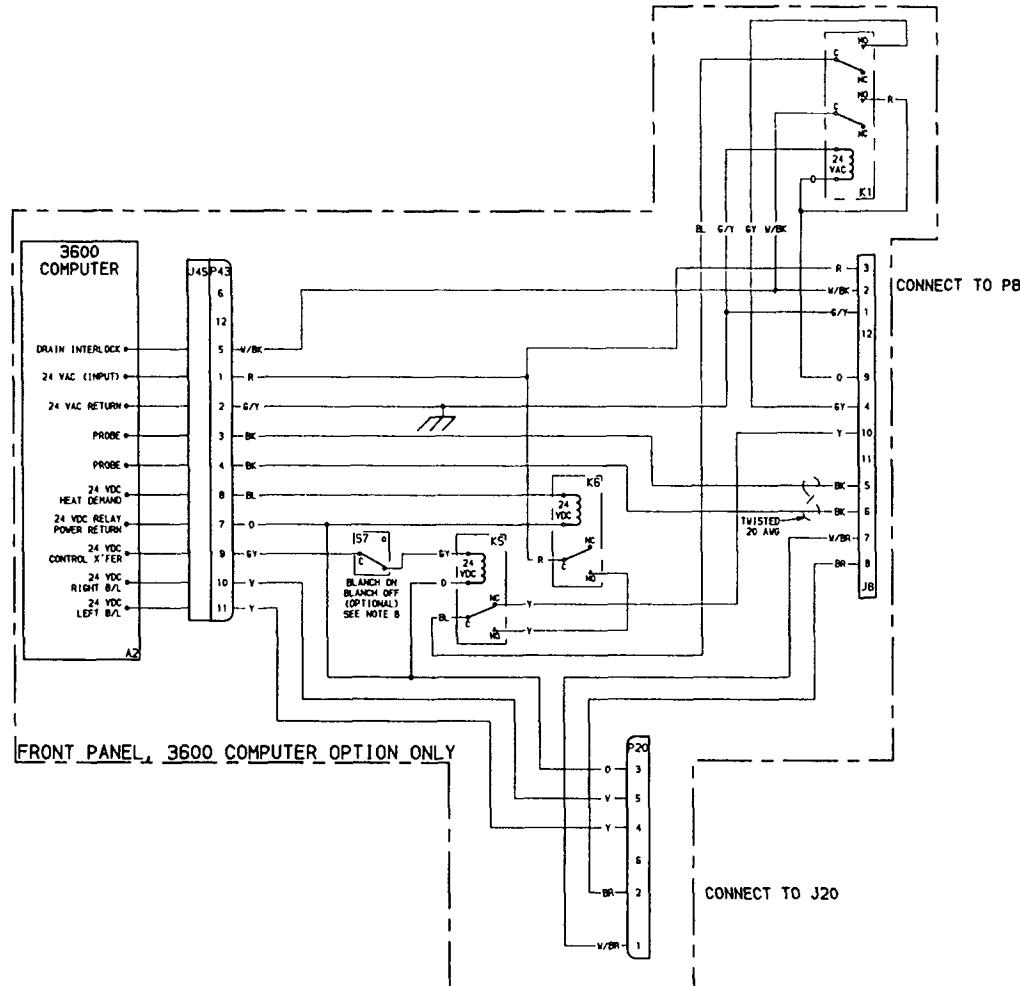
TABLE 1														
MODEL E14			MODEL E14B			MODEL E14X			MODEL E18			MODEL E18B		
VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3	VOLTAGE	LINE/AMPS	HR1-HR3
220 SINGLE PHASE 2 WIRE & GND	L1-75.0 AMPS L2-75.0 AMPS	P5046942 5.5Kw/ELEMENT	220 SINGLE PHASE 2 WIRE & GND	L1-95.5 AMPS L2-95.5 AMPS	P5046940 7Kw/ELEMENT	220 SINGLE PHASE 2 WIRE & GND	L1-S1.8 AMPS L2-S1.8 AMPS	P5046914 3.8Kw/ELEMENT	220 SINGLE PHASE 2 WIRE & GND	L1-58.8 AMPS L2-58.8 AMPS	P5046902 5.1Kw/ELEMENT	220 SINGLE PHASE 2 WIRE & GND	L1-91.7 AMPS L2-91.7 AMPS	P5046904 6.5Kw/ELEMENT
220 3 PHASE 3 WIRE & GND (DELTA CONNECT)	L1-43.3 AMPS L2-43.3 AMPS L3-43.3 AMPS	P5046942 5.5Kw/ELEMENT	220 3 PHASE 3 WIRE & GND (DELTA CONNECT)	L1-55.1 AMPS L2-55.1 AMPS L3-55.1 AMPS	P5046940 7Kw/ELEMENT	220 3 PHASE 3 WIRE & GND (DELTA CONNECT)	L1-30.0 AMPS L2-30.0 AMPS L3-30.0 AMPS	P5046914 3.8Kw/ELEMENT	220 3 PHASE 3 WIRE & GND (DELTA CONNECT)	L1-39.7 AMPS L2-39.7 AMPS L3-39.7 AMPS	P5046902 5.1Kw/ELEMENT	220 3 PHASE 3 WIRE & GND (DELTA CONNECT)	L1-53.0 AMPS L2-53.0 AMPS L3-53.0 AMPS	P5046904 6.5Kw/ELEMENT
380/220 3 PHASE 4 WIRE & GND (Y CONNECT)	L1-25.0 AMPS L2-25.0 AMPS L3-25.0 AMPS	P5046942 5.5Kw/ELEMENT	380/220 3 PHASE 4 WIRE & GND (Y CONNECT)	L1-31.8 AMPS L2-31.8 AMPS L3-31.8 AMPS	P5046940 7Kw/ELEMENT	380/220 3 PHASE 4 WIRE & GND (Y CONNECT)	L1-17.3 AMPS L2-17.3 AMPS L3-17.3 AMPS	P5046914 3.8Kw/ELEMENT	380/220 3 PHASE 4 WIRE & GND (Y CONNECT)	L1-22.9 AMPS L2-22.9 AMPS L3-22.9 AMPS	P5046902 5.1Kw/ELEMENT	380/220 3 PHASE 4 WIRE & GND (Y CONNECT)	L1-30.6 AMPS L2-30.6 AMPS L3-30.6 AMPS	P5046904 6.5Kw/ELEMENT
415/240 3 PHASE 4 WIRE & GND (Y CONNECT)	L1-23.0 AMPS L2-23.0 AMPS L3-23.0 AMPS	P5046921 5.5Kw/ELEMENT	415/240 3 PHASE 4 WIRE & GND (Y CONNECT)	L1-29.2 AMPS L2-29.2 AMPS L3-29.2 AMPS	P5046916 7Kw/ELEMENT	415/240 3 PHASE 4 WIRE & GND (Y CONNECT)	L1-18.8 AMPS L2-18.8 AMPS L3-18.8 AMPS	P5046914 4.5Kw/ELEMENT	415/240 3 PHASE 4 WIRE & GND (Y CONNECT)	L1-25.0 AMPS L2-25.0 AMPS L3-25.0 AMPS	P5046902 6Kw/ELEMENT	415/240 3 PHASE 4 WIRE & GND (Y CONNECT)	L1-33.3 AMPS L2-33.3 AMPS L3-33.3 AMPS	P5046904 6Kw/ELEMENT

TABLE

A2	PP10805	3600 COMPUTER-7 SINGLE
	PP10804	3600 COMPUTER-14 SINGLE
RT1	PS044881	PROBE, THERMISTOR -100K
TBS, TB6	PS047302	TERM BLOCK, 2 POST-ENTRANCE
TB3	PS047303	TERM BLOCK, B POST (ELEMENT)
T1	PP10429	XFRN, BOVA-120/208/240V TO 24V
S11	PS047170	SWITCH, INTERLOCK
S10	PS047216	SWITCH, HI TEMPERATURE LIMIT
S8	PP10262	SWITCH, PROXIMITY SENSOR (DVI ONLY)
S7	PS047162	SWITCH, TOGGLE-SPST (BLANCH OPTION)
S5, S6	PS047169	SWITCH, ROLLER-SPDT (BASKETLIFT)
S4	PS047217	SWITCH, FLOAT (OPTIONAL)
S2	PS047587	SWITCH, T-STAT ELECTRIC (ALTERNATE)
S1	PP10593	SWITCH, ROCKER-SPDT W/BK (0-1-(1))
P14	PS045860	CONNECTOR, PLUG-9 PIN HOLEX
P12, P13	PP10204	CONNECTOR, PLUG-6 PIN HOLEX
P20, P27	PS045826	CONNECTOR, PLUG-9 PIN
P10	PS045829	CONNECTOR, PLUG-2 PIN HOLEX
P4, P7, P56, P38	PP10208	CONNECTOR, PLUG-12 PIN HOLEX
P3, PB6, P43	PP10208	CONNECTOR, PLUG-12 PIN HOLEX
MP1	PS045241	LUG, GROUND #4-2 AWG
M1	PP10096	MOTOR, GEAR-240VAC 50 Hz (B/L)
M2	B5600802	B/L, MOTOR ASSY LH - 240 VAC
K10	PP10560	CONTACTOR, DEF PURP-40AMP 24VAC 3PST-NO
K7-K9	PP10553	CONTACTOR, MERCURY-40AMP 24VAC SPST-NO
K3-K6	PS046690	RELAY, 24VDC - SPDT
K1	PS046686	RELAY, 24 VAC - DPDT W/HG TABS
J17	PP10476	RECEPTACLE, NEMA 6-15R (OPTIONAL)
J14	PS045838	CONNECTOR, JACK-9 SKT HOLEX
J12, J13	PP10205	CONNECTOR, JACK-6 SKT HOLEX
J20, J27	PS045827	CONNECTOR, JACK-9 SKT
J10	PS045827	CONNECTOR, JACK-9 SKT
J4, JT, J36, J38	PS045839	CONNECTOR, JACK-2 SKT HOLEX
J3, JB, J45	PP10209	CONNECTOR, JACK-12 SKT HOLEX
J1	PP10089	CONNECTOR, JACK-3 SKT HOLEX
HR1-HR3	SEE TABLE 1	ELEMENT, TUBULAR
F2, F4	PS045721	FUSE, 7 AMP-SLOW BLOW (GLASS)
F3	PP10122	FUSE, 1 AMP-SLOW BLOW (GLASS)
F1	PS045720	FUSE, 4 AMP-SLOW BLOW (GLASS)
A1	PS044851	SINGLE PRODUCT PITCOMATIC COMPUTER
	PS044850	MULTI PRODUCT PITCOMATIC COMPUTER
NOMENCLATURE	PART NO.	DESCRIPTION
		PARIS LIST



PART NO.	N/A
SCALE:	N/A
SH 2 of 3	
D	700109 01



700109 01

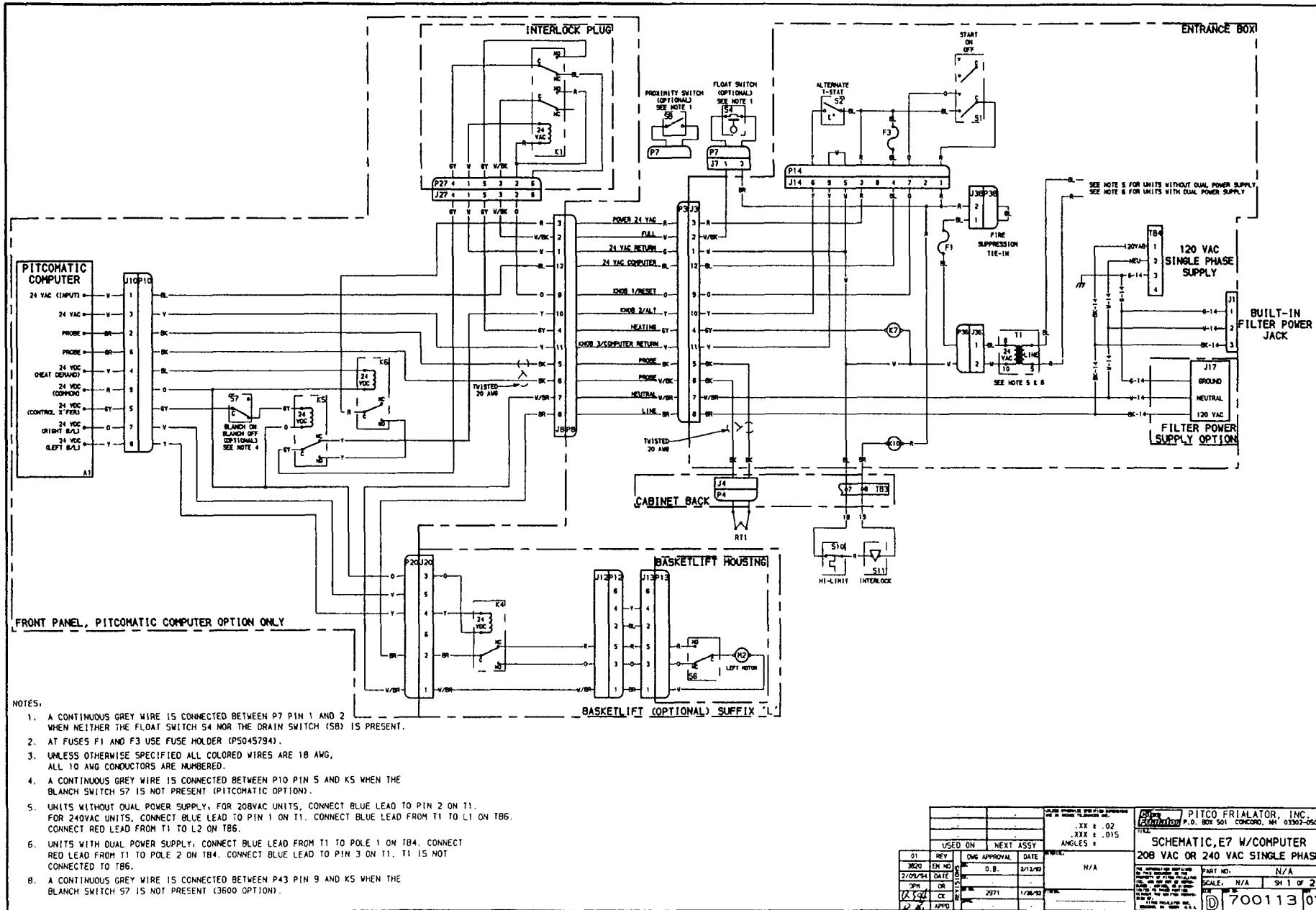
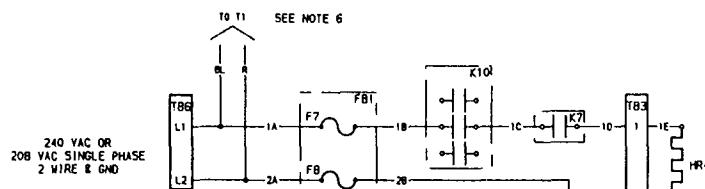
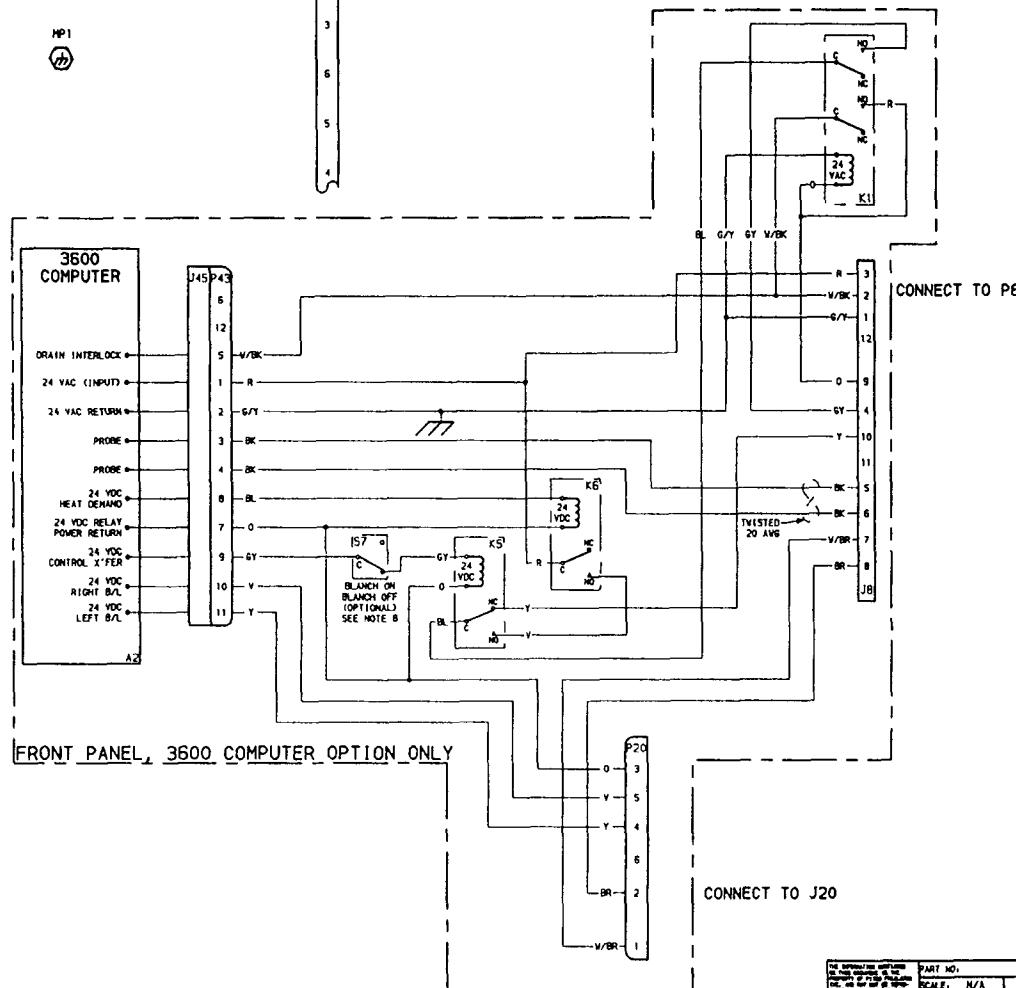


TABLE 1 MODEL E7 (7KW)		
VOLTAGE	LINE/AMPS	HR4
208 1 PHASE 2 WIRE & GND	L1-33.7 AMPS L2-33.7 AMPS	P5046915
240 1 PHASE 2 WIRE & GND	L1-29.2 AMPS L2-29.2 AMPS	P5046916

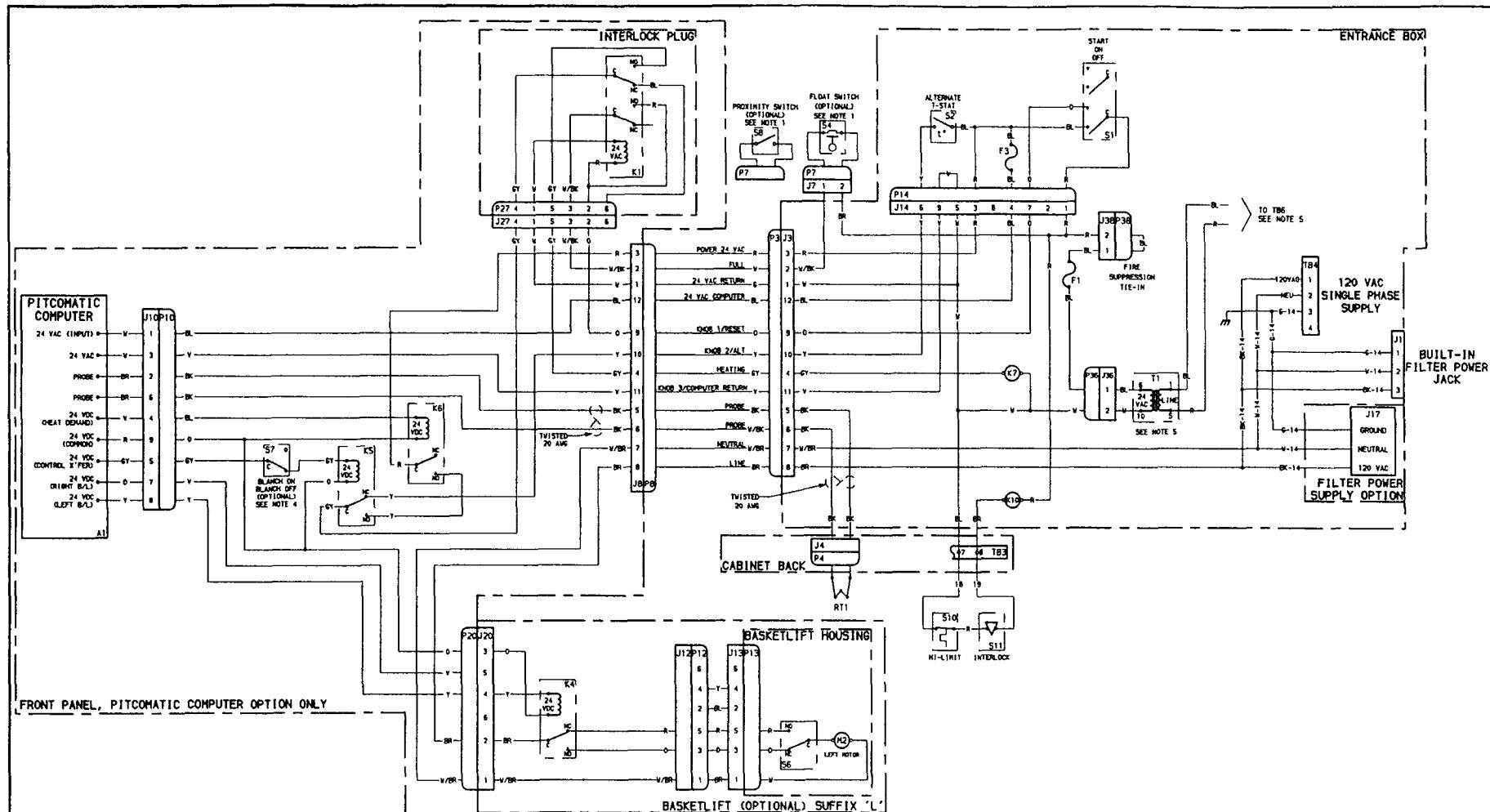


A2	PP10805	3600 COMPUTER-7 SINGLE
RT1	P5044881	PROBE, THERMISTOR -100K
TB4	P5045282	TERM BLOCK, 4 POST-BARRIER
TB5	P5047303	TERM BLOCK, 8 POST (ELEMENT)
TB6	P5047302	TERM BLOCK, 2 POST-ENTRANCE
T1	PP10429	XFRN, 80VA-120/208/240V TO 24V
S11	P5047170	SWITCH, INTERLOCK
S10	P5047216	SWITCH, HI TEMPERATURE LIMIT
S8	PP10262	SWITCH, PROXIMITY SENSOR (OVI ONLY)
S7	P5047162	SWITCH, TOGGLE-SPST (BLANCH OPTION)
S6	P5047169	SWITCH, ROLLER-SPOT (BASKETLIFT)
S4	P5047217	SWITCH, FLOAT (OPTIONAL)
S2	P5047587	SWITCH, T-STAT ELECTRIC (ALTERNATE)
S1	PP10559	SWITCH, ROCKER-SPDT W/BK (O-1-(1))
P14	P5045880	CONNECTOR, PLUG-9 PIN MOLEX
P12, P13	PP10204	CONNECTOR, PLUG-6 PIN MOLEX
P10	P5045826	CONNECTOR, PLUG-9 PIN
P4, P7, P36, P38	P5045829	CONNECTOR, PLUG-2 PIN MOLEX
P3, P8, P43	PP10204	CONNECTOR, PLUG-12 PIN MOLEX
MP1	P5045241	LUG, GROUND #8-2 AWG
M2	B5600801	B/L, MOTOR ASSY LH - 120 VAC
K10	PP10560	CONTACTOR, DEF PURP-40AMP 24VAC 3PST-NO
K7	PP10553	CONTACTOR, MERCURY-40AMP 24VAC SPST-NO
K4-K6	P5046890	RELAY, 24VDC - SPOT
K1	P5046886	RELAY, 24 VAC - DPDT W/MTG TABS
J17	PP10103	RECEPTACLE, 3 PRONG (OPTIONAL)
J14	P5045838	CONNECTOR, JACK-9 SKT MOLEX
J12, J13 J20, J27	PP10205	CONNECTOR, JACK-6 SKT MOLEX
J10	P5045827	CONNECTOR, JACK-9 SKT
J4, J7, J36, J38	P5045839	CONNECTOR, JACK-2 SKT MOLEX
J3, JB, J45	PP10203	CONNECTOR, JACK-12 SKT MOLEX
J1	PP10089	CONNECTOR, JACK-3 SKT MOLEX
HR4	SEE TABLE 1	ELEMENT, TUBULAR
FB1	PS045792	FUSE BLOCK, 3 POST
F7, F8	PS045702	FUSE, 50 AMP-SLOW BLOW
F3	PP10122	FUSE, 1 AMP-SLOW BLOW (GLASS)
F1	PS045720	FUSE, 4 AMP-SLOW BLOW (GLASS)
A1	PS044856	SINGLE PRODUCT PITCOMATIC COMPUTER
	PS044855	MULTI PRODUCT PITCOMATIC COMPUTER
NOMENCLATURE PART NO. DESCRIPTION		
PARTS LIST		



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PART NO.	N/A
SCALE:	N/A
REV:	912 or 2
DATE:	10/20/01
FILE NUMBER:	D 700113 01



NOTES:

- A CONTINUOUS GREY WIRE IS CONNECTED BETWEEN P7 PIN 1 AND 2 WHEN NEITHER THE FLOAT SWITCH S4 NOR THE DRAIN SWITCH (S5) IS PRESENT.
- AT FUSES F1 AND F3 USE FUSE HOLDER (PS045794).
- UNLESS OTHERWISE SPECIFIED ALL COLORED WIRES ARE 18 AWG, ALL 10 AWG CONDUCTORS ARE NUMBERED.
- A CONTINUOUS GREY WIRE IS CONNECTED BETWEEN P10 PIN 5 AND K5 WHEN THE BLANCH SWITCH S7 IS NOT PRESENT (PITCOMATIC OPTION).
- UNITS WITH DUAL POWER SUPPLY: CHANGE TRANSFORMER (T1) FROM PP10428 TO PP10429 (PP10429, XFM, 60VA-120/208/240V TO 24V). CONNECT BLUE LEAD FROM T1 TO POLE 1 ON TB4. CONNECT RED LEAD FROM T1 TO POLE 2 ON TB4. CONNECT BLUE LEAD TO PIN 3 ON T1. T1 IS NOT CONNECTED TO TBS.
- A CONTINUOUS GREY WIRE IS CONNECTED BETWEEN P43 PIN 9 AND K5 WHEN THE BLANCH SWITCH S7 IS NOT PRESENT (3600 OPTION).

EQUIPMENT OR SPECIFICATION				PITCO FRIALATOR, INC.	
				P.O. BOX 501 CONCORD, NH 03302-0501	
01	REV	DWS APPROVAL	DATE	N/A	
3620	EN NO	0.8	2/13/92		
2/10/94	DATE				
OPM	DR				
2998	PPM	2998	2/13/92		
D.P.	APPO				

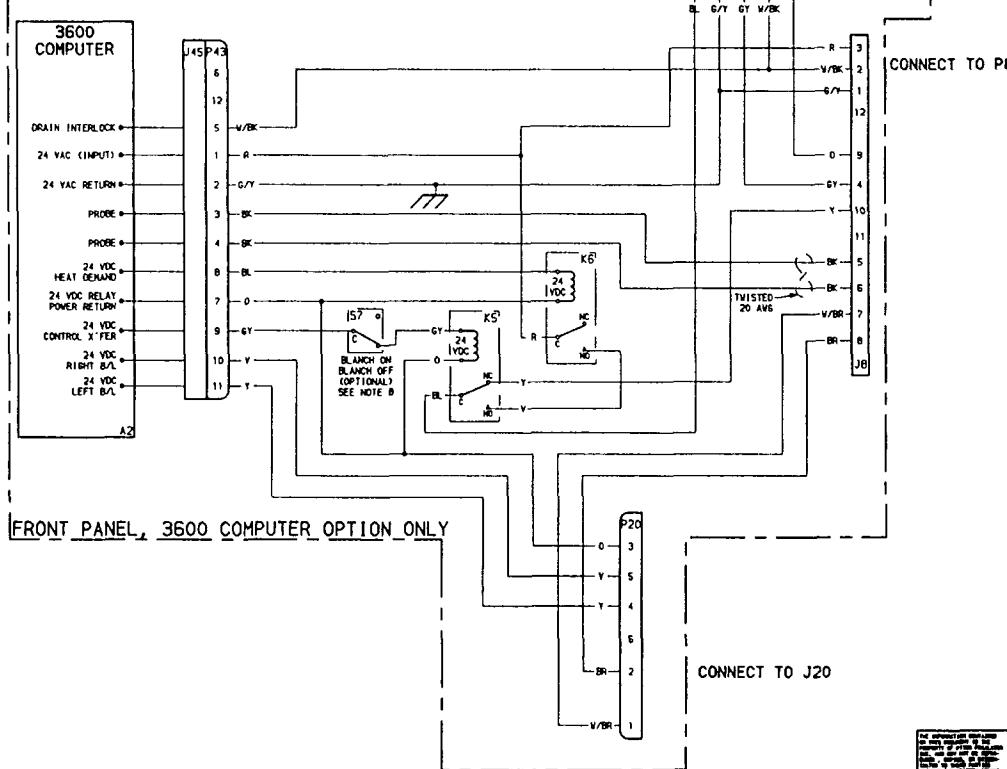
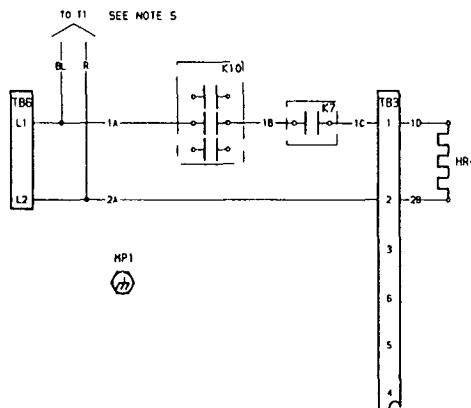
SCHEMATIC, E7 W/COMPUTER
480 VAC SINGLE PHASE

D 700114 01

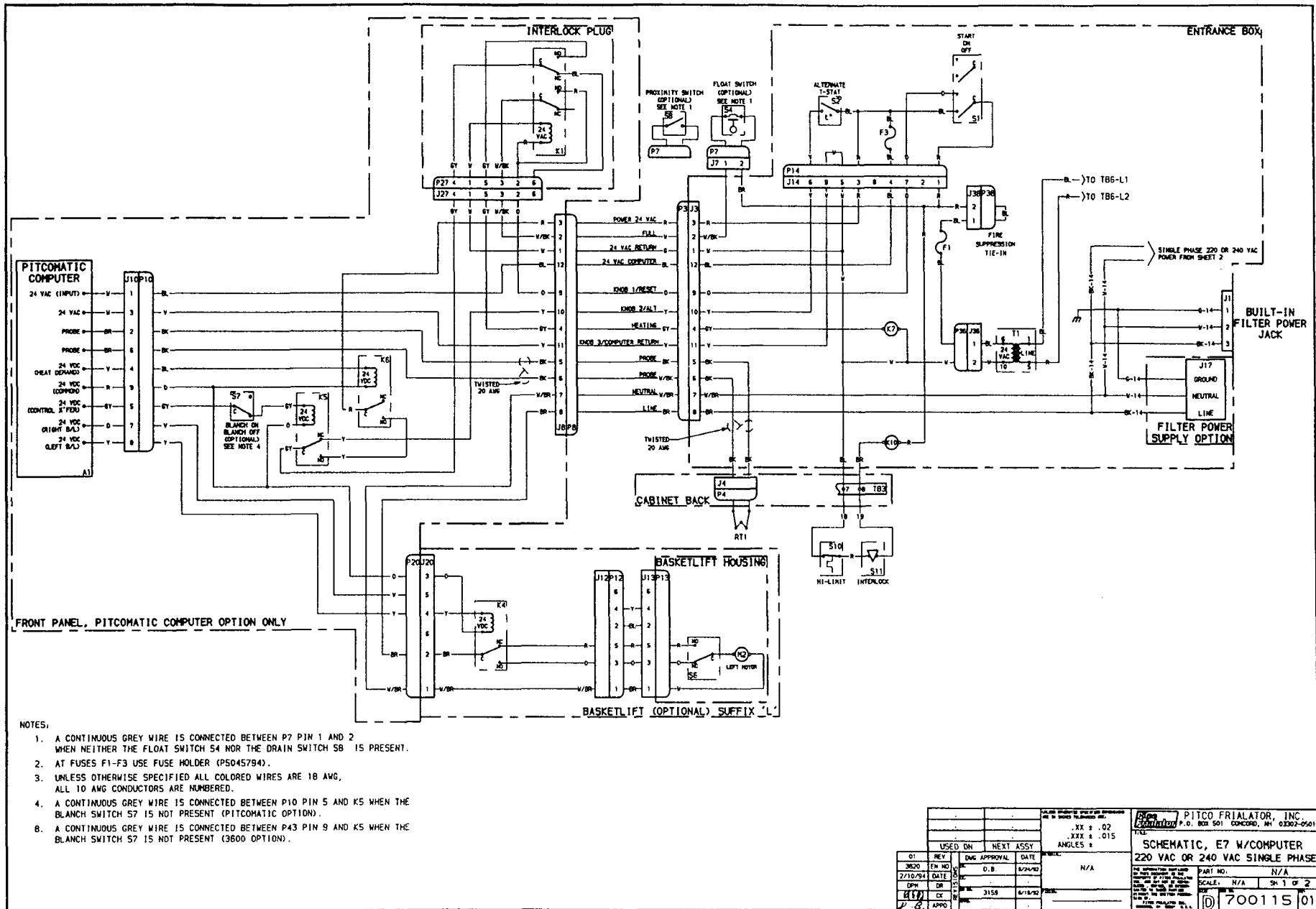
TABLE 1		
MODEL E7 (7KW)		
VOLTAGE	LINE/AMPS	HR4
480 1 PHASE 2 WIRE & GND	L1-14.6 AMPS L2-14.6 AMPS	PS046960

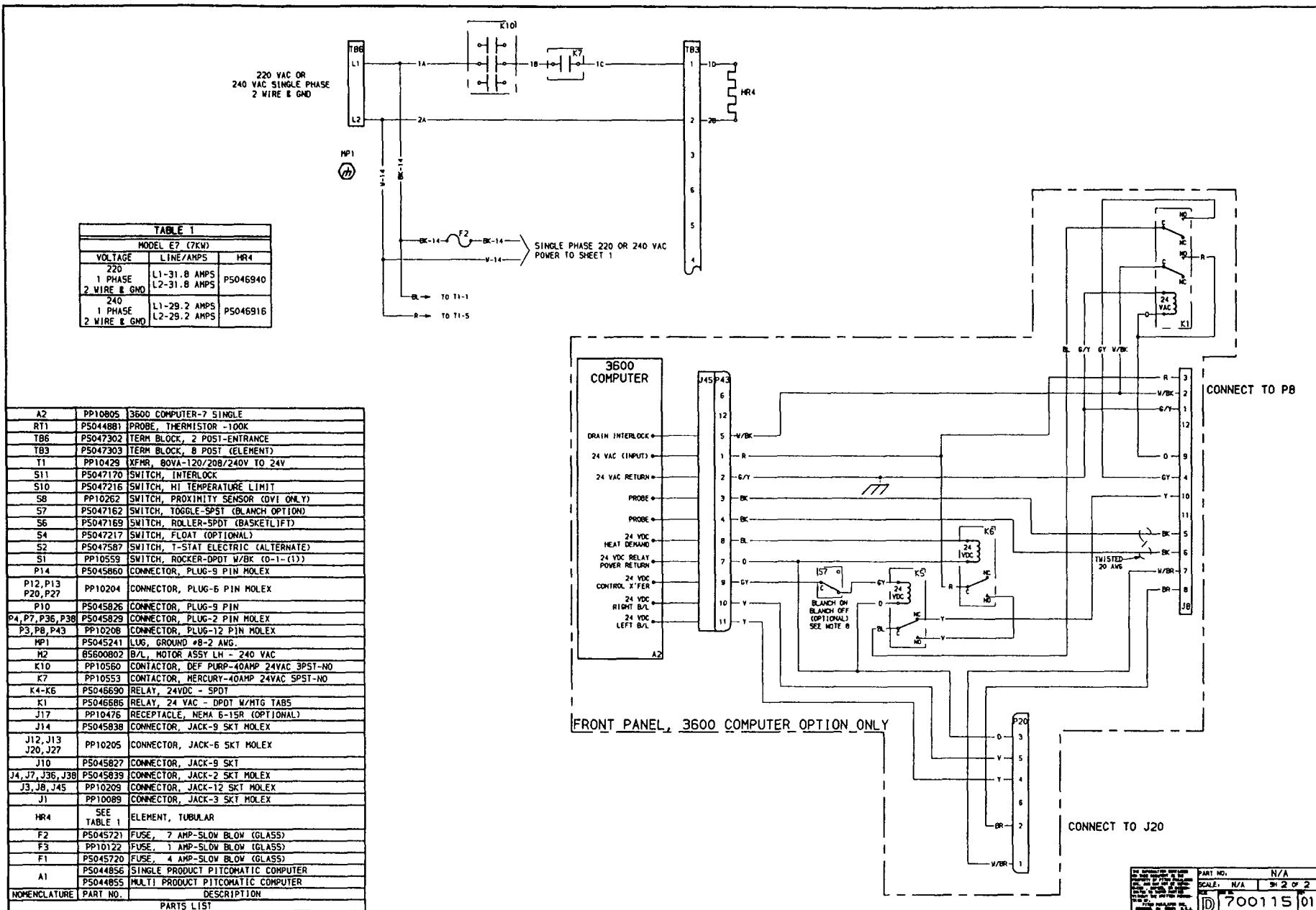
MODEL E7 (7KW)		
VOLTAGE	LINE/AMPS	HR4
480 1 PHASE 2 WIRE & GND	L1-14.6 AMPS L2-14.6 AMPS	PS046950

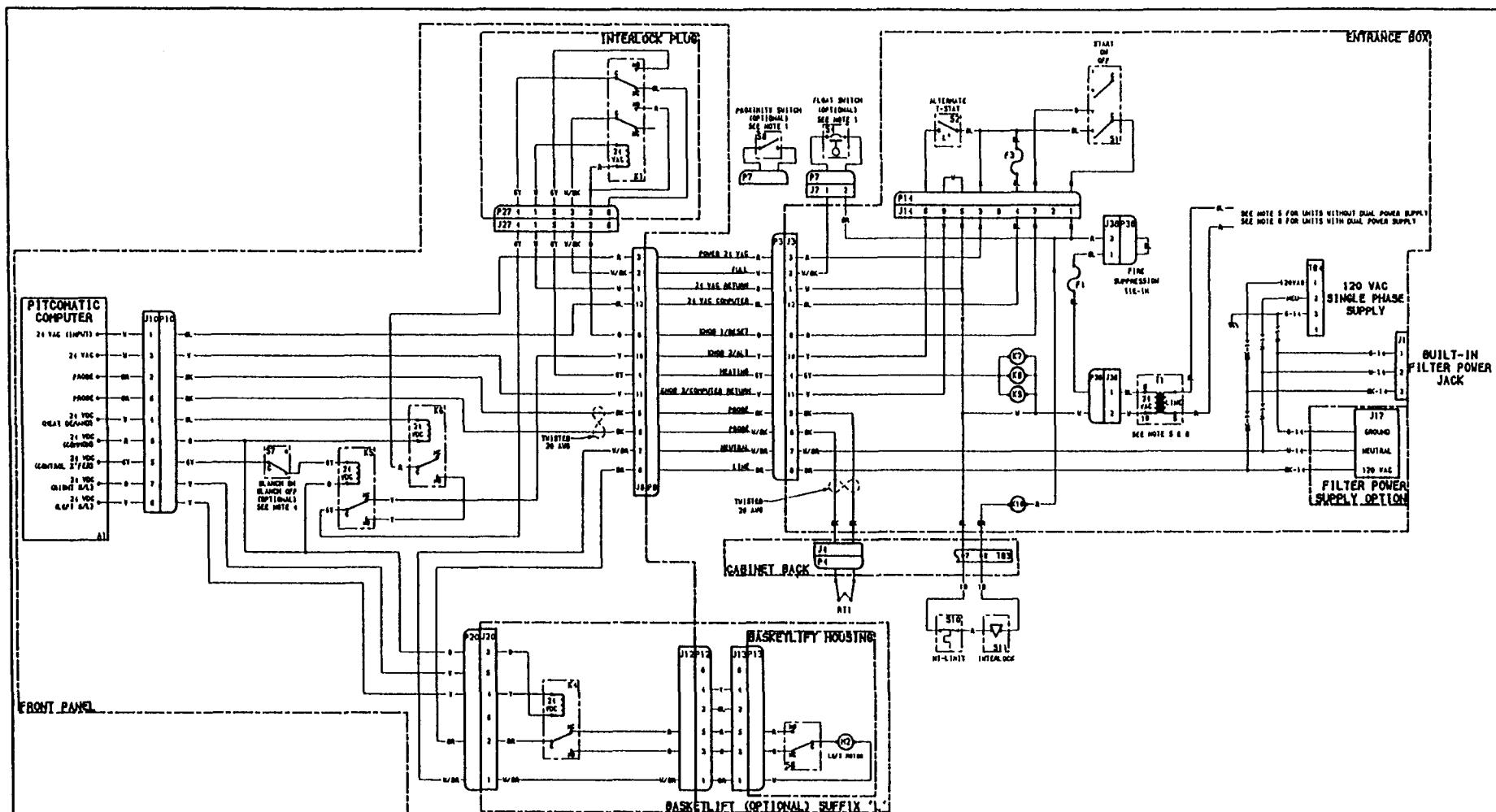
480 VAC SINGLE PHASE
2 WIRE & GND



THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 07-16-2010 BY SP2 SCHAFER		PART NO.	N/A	
		SCALE:	N/A	SH 2 OF 2
		D 700114 01		





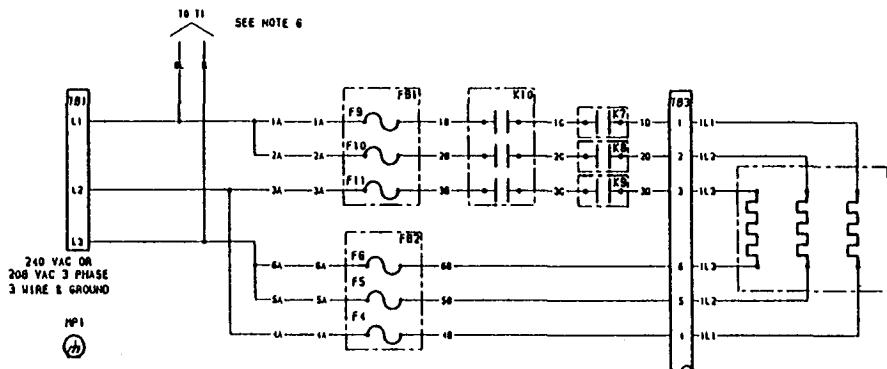


ITEM	REF DESIGNATOR	QTY	DESCRIPTION	REV
1		1	22 A .02 .008 E .015 ANGLES 8	
2		1	SCHEMATIC, E7 W/COMPUTER 200 VAC OR 240 VAC 3 PHASE	
3		1	INFORMATION SHEET PART NO. 700118 SCALE: N/A SIZE: 8 1/2" W X 11" H	
4		1	D 700118 00	

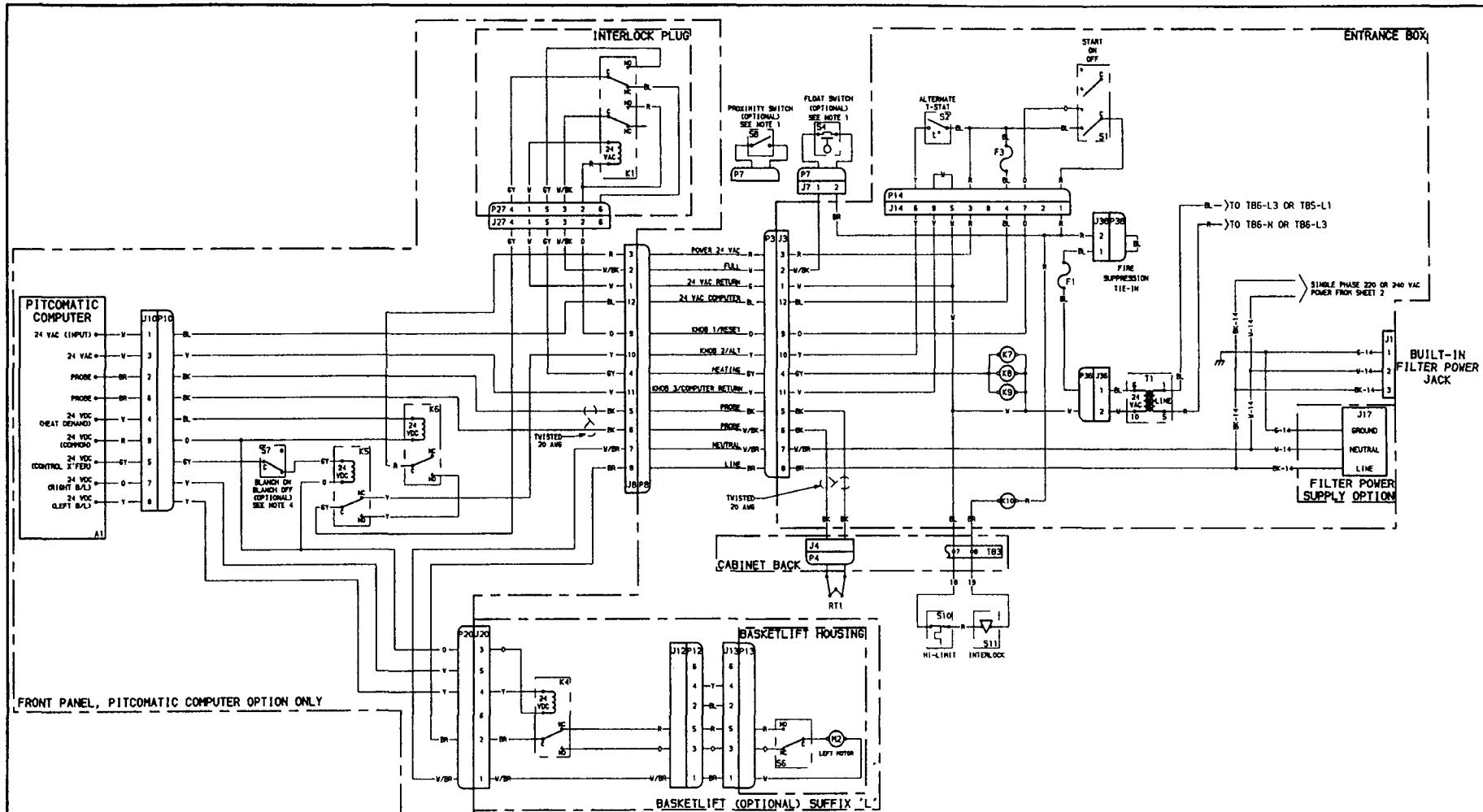
TABLE I MODEL E7 (7KV, 7KW ELEMENT)		
VOLTAGE	LINE/AMPS	HR1
208	L1-19.4 AMPS	
3 PHASE	L2-19.4 AMPS	PP10599
3 WIRE & GND	L3-19.4 AMPS	
240	L1-16.8 AMPS	
3 PHASE	L2-16.8 AMPS	PP10291
3 WIRE & GND	L3-16.8 AMPS	

R11	P5041881	PROBE, THERMISTOR -100K	1
T84	P5045282	TERM BLOCK, 4 POST-BARRIER	1
T83	P5047303	TERM BLOCK, 8 POST (ELEMENT)	1
T81	P5047301	TERM BLOCK, 3 POST-ENTRANCE	1
T1	PP104291	KFNR, 80VA-120/208/240V TO 24V	1
S11	P5047170	SWITCH, INTERLOCK	1
S10	P5047218	SWITCH, HI TEMPERATURE LIMIT	1
S9	PP102621	SWITCH, PROXIMITY SENSOR (DVI ONLY)	1
S7	P5047162	SWITCH, TOGGLE-SPST (BLANCH OPTION)	1
S6	P5047169	SWITCH, ROLLER-SPOT (BASKET/F1)	1
S4	P5047217	SWITCH, FLOAT (OPTIONAL)	1
S2	P5047587	SWITCH, T-STAT ELECTRIC (ALTERNATE)	1
S1	PP105521	SWITCH, ROCKER-SPDT W/BK (0-1-(1))	1
P14	P5045860	CONNECTOR, PLUG-9 PIN MOLEX	1
P12, P13	PP10201	CONNECTOR, PLUG-6 PIN MOLEX	4
P20, P27	P5045828	CONNECTOR, PLUG-9 PIN	1
P10	P5045829	CONNECTOR, PLUG-2 PIN MOLEX	1
P4, P7, P36, P38	PP10208	CONNECTOR, PLUG-12 PIN MOLEX	2
P3, P8	PP10209	CONNECTOR, PLUG-12 PIN MOLEX	2
NP1	P5045241	LUG, GROUND #8-2 AWG.	1
H2	B5600081	B/L, MOTOR ASSY LH - 120 VAC	1
K10	PP10560	CONTACTOR, DEF PURP-40AMP 24VAC SPST-NO	1
K7-K9	PP10553	CONTACTOR, MERCURY-10AMP 24VAC SPST-NO	3
K4-K6	P5046590	RELAY, 24VDC - SPDT	3
K1	P5046686	RELAY, 24 VAC - DPDT W/MTC TABS	1
J17	PP10103	RECEPTACLE, 3 PRONG (OPTIONAL)	1
J14	P5045830	CONNECTOR, JACK-9 SKT MOLEX	1
J12, J13	PP10205	CONNECTOR, JACK-6 SKT MOLEX	4
J20, J27	P5045827	CONNECTOR, JACK-9 SKT	1
J10	P5045827	CONNECTOR, JACK-9 SKT	1
J4, J7, J36, J38	P5045839	CONNECTOR, JACK-2 SKT MOLEX	4
J3, JB	PP10209	CONNECTOR, JACK-12 SKT MOLEX	2
J1	PP10089	CONNECTOR, JACK-3 SKT MOLEX	1
HR1	SEE TABLE I	ELEMENT, FLATBAR 7KV-E7	1
F81, F82	P5045792	FUSE BLOCK, 3 POST	2
F1-F6, F9-F11	P5045701	FUSE, 40 AMP-SLOW BLOW	6
F3	PP10172	FUSE, 1 AMP-SLOW BLOW (GLASS)	1
F1	P5045720	FUSE, 1 AMP-SLOW BLOW (GLASS)	1
A1	P5044856	SINGLE PRODUCT COMPUTER	1
NONENCLATURE	PART NO.	DESCRIPTION	QTY

PARTS LIST

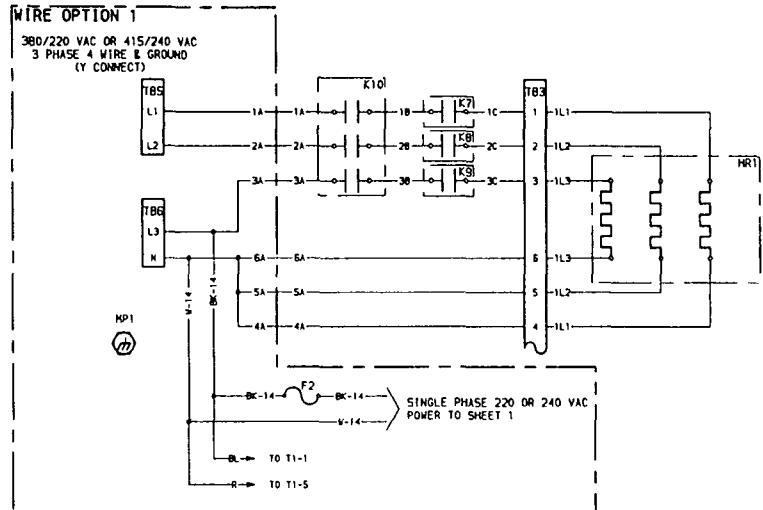


DATE	REV	PART NO.
SCALE	N/A	IN 2 W 3
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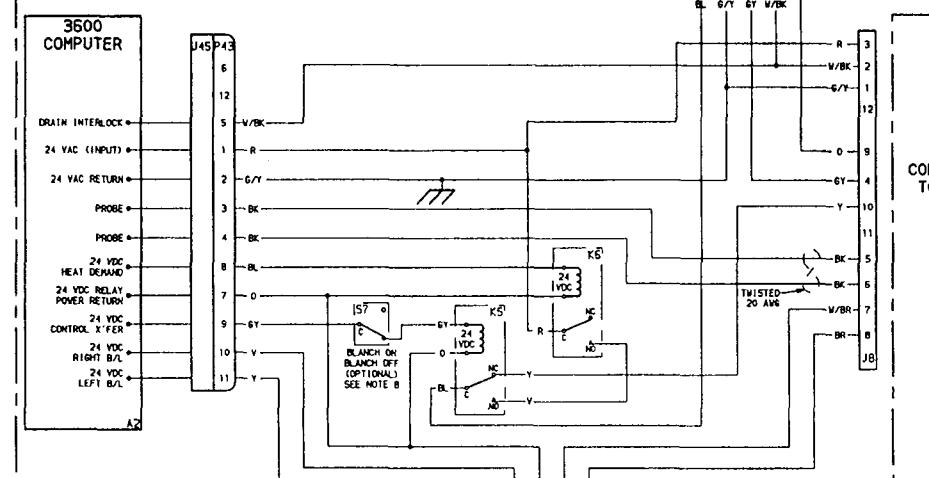
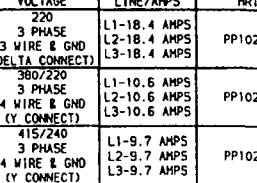
NOTES.

1. A CONTINUOUS GREY WIRE IS CONNECTED BETWEEN P7 PIN 1 AND 2 WHEN NEITHER THE FLOAT SWITCH S4 NOR THE DRAIN SWITCH S8 IS PRESENT.
 2. AT FUSES F1-F4 USE FUSE HOLDER (PS5045794).
 3. UNLESS OTHERWISE SPECIFIED ALL COLORED WIRES ARE 18 AWG,
ALL TO ANG CONDUCTORS ARE NUMBERED.
 4. A CONTINUOUS GREY WIRE IS CONNECTED BETWEEN P10 PIN 5 AND K5 WHEN THE
BLANCH SWITCH S7 IS NOT PRESENT (PITCOMATIC OPTION).
 5. A CONTINUOUS GREY WIRE IS CONNECTED BETWEEN P43 PIN 9 AND K5 WHEN THE
BLANCH SWITCH S7 IS NOT PRESENT (3600 OPTION).

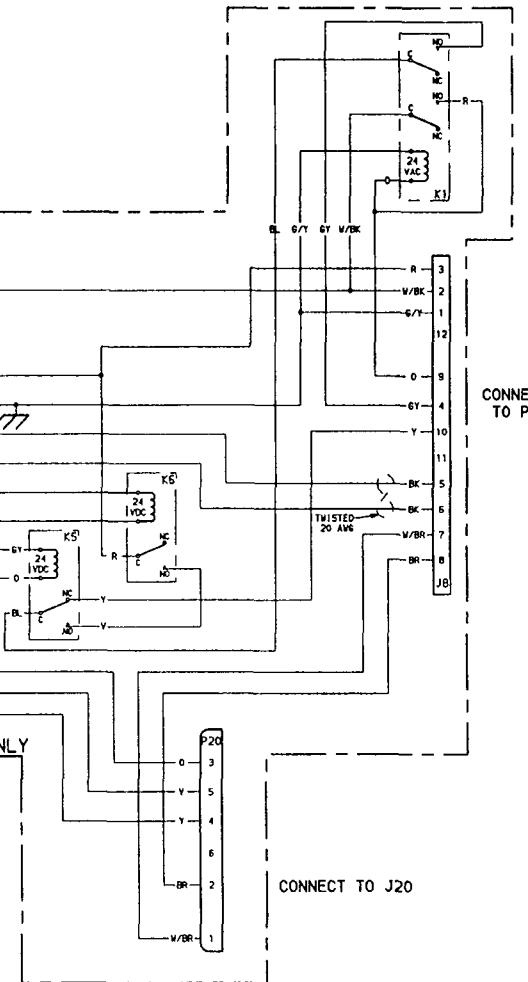
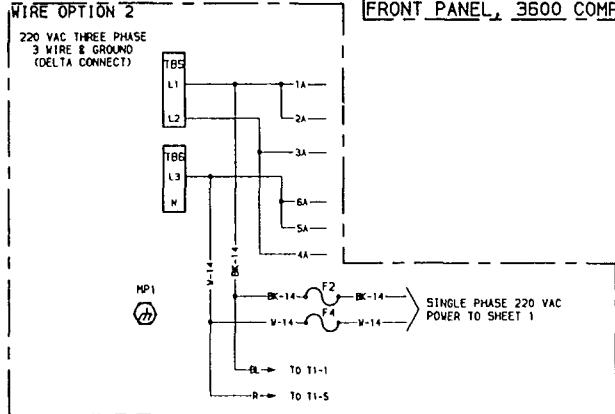


A2	PP10805	3600 COMPUTER-7 SINGLE
RT1	PS044881	PROBE, THERMISTOR -100K
TBS, TB6	PS047302	TERM. BLOCK, 2 POST-ENTRANCE
T83	PS047303	TERM. BLOCK, 8 POST (ELEMENT)
T1	PP10429	XFRN, BOVA-120/208/240V TO 24V
S11	PS047170	SWITCH, INTERLOCK
S10	PS047216	SWITCH, HI TEMPERATURE LIMIT
S8	PP10262	SWITCH, PROXIMITY SENSOR (DVI ONLY)
S7	PS047162	SWITCH, TOGGLE-SPST (BLANCH OPTION)
S6	PS047169	SWITCH, ROLLER-SPDT (BASKETLIFT)
S4	PS047217	SWITCH, FLOAT (OPTIONAL)
S2	PS047587	SWITCH, T-SAT ELECTRIC (ALTERNATE)
S1	PP10559	SWITCH, ROCKER-DPDT W/BK (0-1-1))
P14	PS045864	CONNECTOR, PLUG-9 PIN MOLEX
P12, P13 P20, P27	PP10204	CONNECTOR, PLUG-6 PIN MOLEX
P10	PS045826	CONNECTOR, PLUG-9 PIN
P4, P7, P36, P38	PS045829	CONNECTOR, PLUG-2 PIN MOLEX
P3, P8, P43	PP10208	CONNECTOR, PLUG-12 PIN MOLEX
MP1	PS045241	LUG, GROUND #8-2 AWG.
M2	BS5600802	B/L MOTOR ASSY LH -240 VAC
K10	PP10560	CONTACTOR, DEF PURP-40AMP 24VAC 3PST-NO
K7-K9	PP10553	CONTACTOR, MERCURY-40AMP 24VAC SPST-NO
K4-K6	PS045690	RELAY, 24VDC - SPDT
K1	PS045681	RELAY, 24 VAC - DPDT W/HIG TABS
J17	PP10476	RECEPTACLE, NEMA 6-15R (OPTIONAL)
J14	PS045838	CONNECTOR, JACK-9 SKT MOLEX
J12, J13 J20, J27	PP10205	CONNECTOR, JACK-6 SKT MOLEX
J10	PS045827	CONNECTOR, JACK-9 SKT
J4, J7, J36, J38	PS045839	CONNECTOR, JACK-2 SKT MOLEX
J3, JB, J45	PP10209	CONNECTOR, JACK-12 SKT MOLEX
J1	PP10089	CONNECTOR, JACK-3 SKT MOLEX
HR1	SEE TABLE 1	ELEMENT, FLATBAR 7KW-E?
F2, F4	PS045721	FUSE, 7 AMP-SLOW BLOW (GLASS)
F3	PP10122	FUSE, 1 AMP-SLOW BLOW (GLASS)
F1	PS045720	FUSE, 4 AMP-SLOW BLOW (GLASS)
A1	PS044856	SINGLE PRODUCT PITCOMATIC COMPUTER
NOMENCLATURE	PART NO.	DESCRIPTION

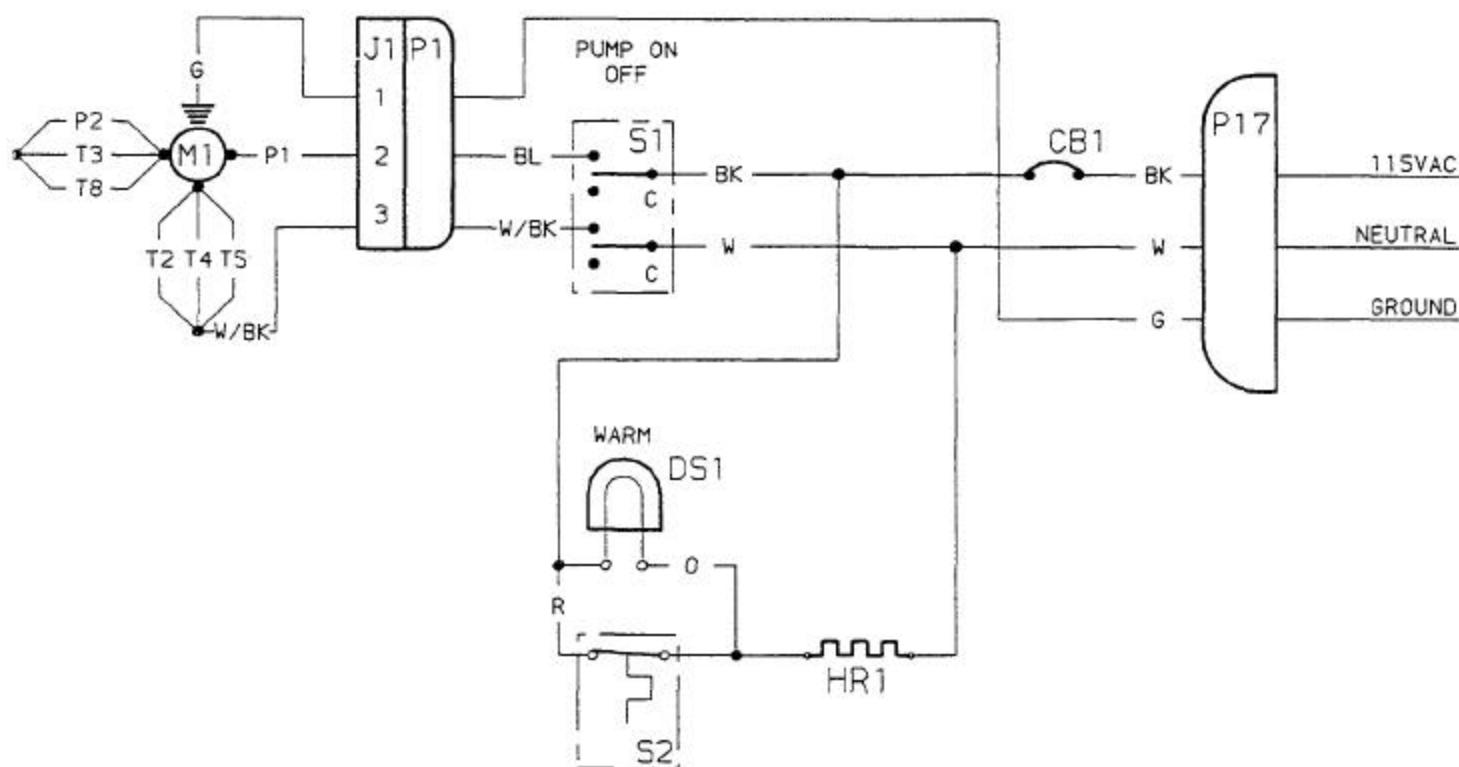
TABLE 1			
MODEL E7 (7KW,7KM ELEMENT)			
VOLTAGE	LINE/AMPS	HR1	
220 3 PHASE 3 WIRE & GND (DELTA CONNECT)	L1-18.4 AMPS L2-18.4 AMPS L3-18.4 AMPS		PP10289
360/220 3 PHASE 4 WIRE & GND (Y CONNECT)	L1-10.6 AMPS L2-10.6 AMPS L3-10.6 AMPS		PP10289
415/240 3 PHASE 4 WIRE & GND (Y CONNECT)	L1-9.7 AMPS L2-9.7 AMPS L3-9.7 AMPS		PP10291



FRONT PANEL, 3600 COMPUTER OPTION ONLY



THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 08-12-2010 BY SP2		PART NO.	N/A	
		SCALE.	N/A	SH 2 OF 2
		ITEM NO.		
D		700119	01	



PARTS LIST			
NOMENCLATURE	PART NO.	DESCRIPTION	QTY
CB1	PP10460	CIRCUIT BREAKER, 8 AMP-SINGLE POLE	1
DS1	PP10331	LAMP, 125 VAC-GREEN	1
HR1	PP10039	HEAT TAPE - 110 VAC, 165 W	1
M1	PP10101	PUMP/MOTOR ASSY, 115/230 VAC 1/3 HP	1
J1	PP10089	CONNECTOR, JACK-3 SKT MOLEX	1
P1	PP10090	CONNECTOR, PLUG-3 PIN MOLEX	1
P17	PP10609	CORD, PLUG MOLDED 16-3 NEMA 5-15P 17.5" (SF50A)	1
	PP10711	CORD, PLUG MOLDED 16-3 NEMA 5-15P 23.5" (SF65A)	
S1	PP10735	SWITCH, ROCKER-DPST (ON-OFF)	1
S2	PP10739	SWITCH, THERMAL 135°F OPEN 105°F CLOSE	1

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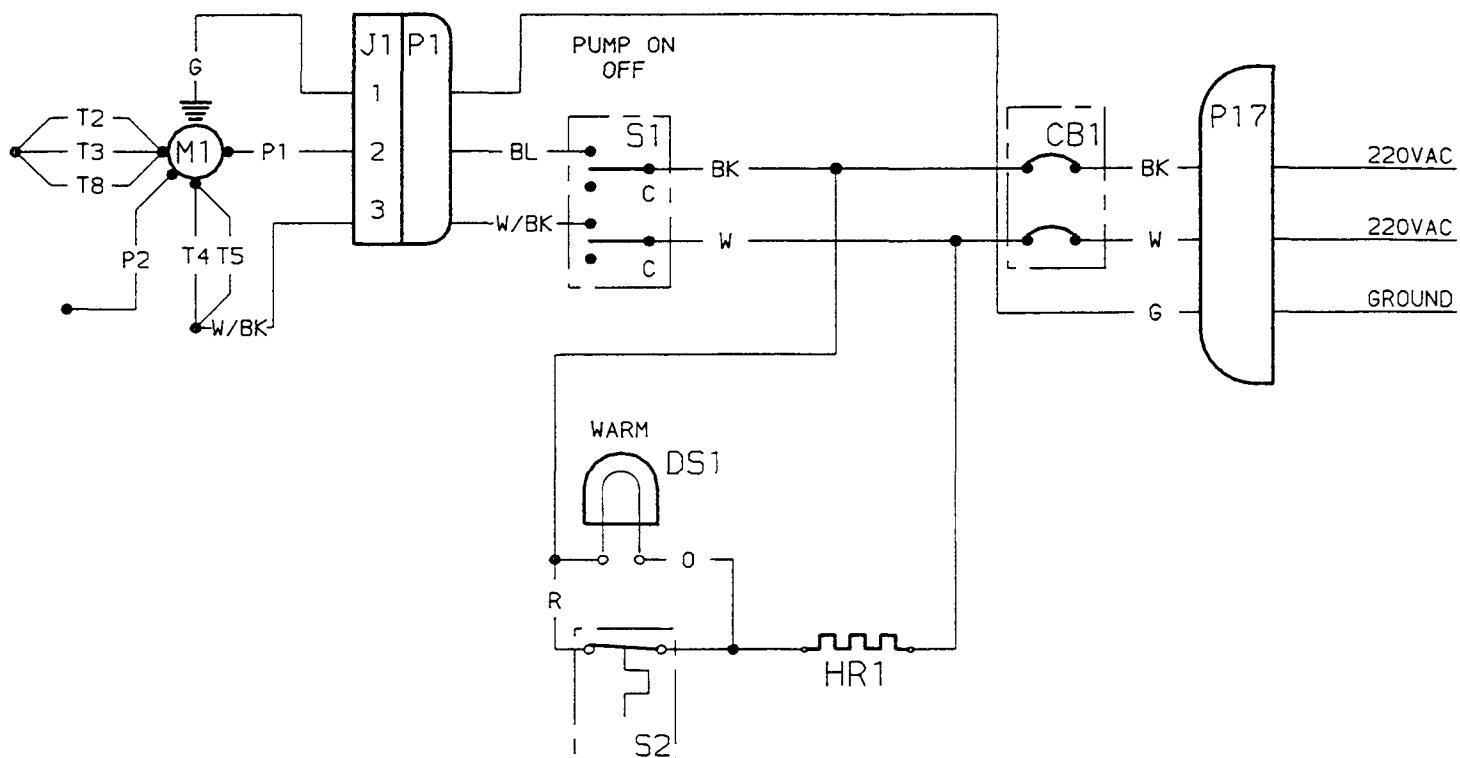


PITCO FRIALATOR, INC.
P.O. BOX 501 CONCORD, NH 03302-0501

TITLE:

SCHEMATIC, FILTER- SF50A, SF65A 115 VAC

REV	MATERIAL	SEE PARTS LIST		TOLERANCES
		EN NO	DATE	
EN NO	DWG APPROVAL	DATE	PART NO:	
DATE	DR: D.B.	11/30/92		
DR	CK: S.S..	9/6/93	SCALE: NONE	SH 1 OF 1
CK	EN NO: 3389	3/31/93	SIZE	REV
APPD	APPD:	.	A	700141 00



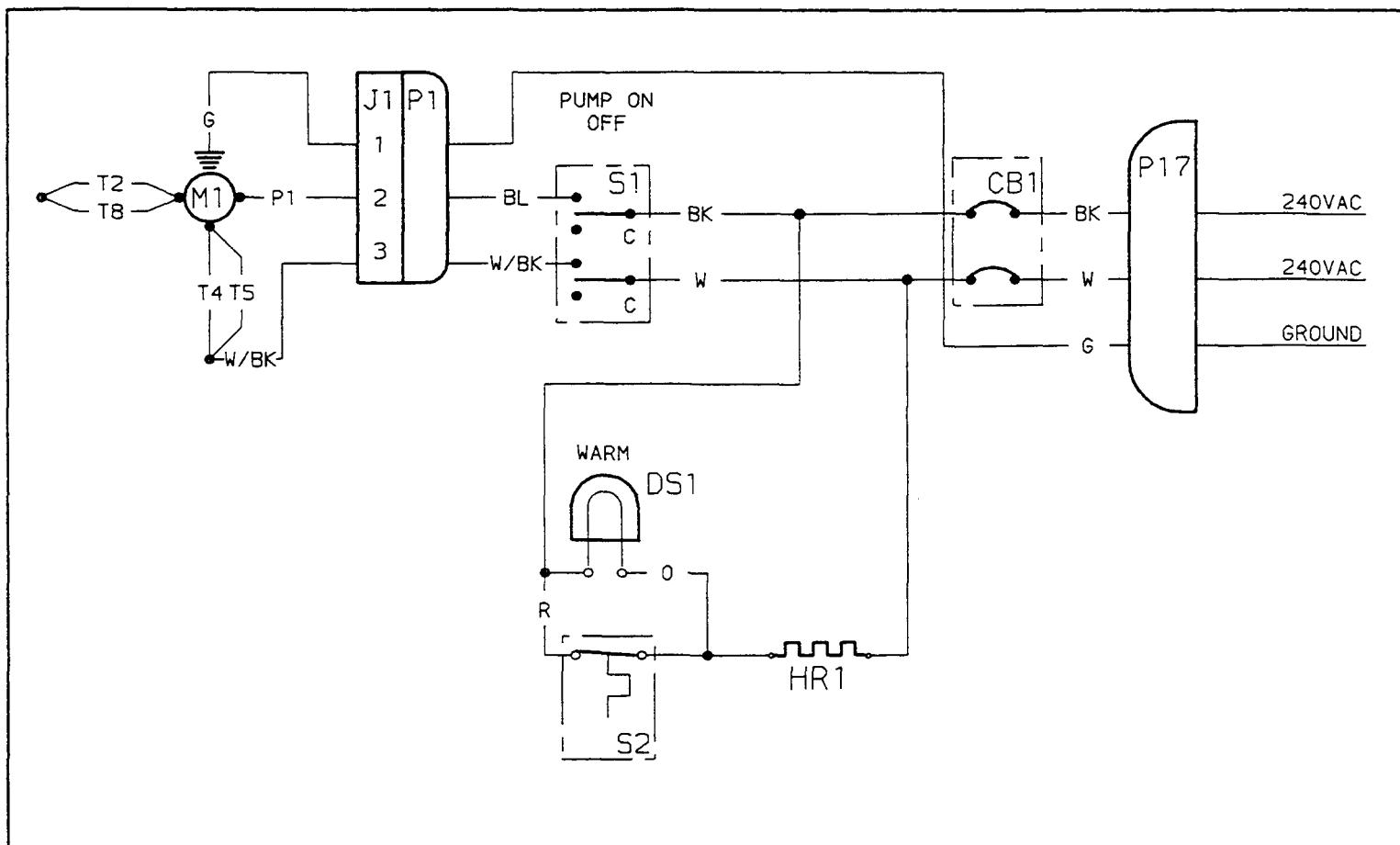
PARTS LIST			
NOMENCLATURE	PART NO.	DESCRIPTION	QTY
CB1	PP10470	CIRCUIT BREAKER, 4 AMP-DOUBLE POLE	1
DS1	PP10736	LAMP, 250 VAC-GREEN	1
HR1	PP10080	HEAT TAPE - 240 VAC, 165 W	1
M1	PP10101	PUMP/MOTOR ASSY, 115/230 VAC 1/3 HP	1
J1	PP10089	CONNECTOR, JACK-3 SKT MOLEX	1
P1	PP10090	CONNECTOR, PLUG-3 PIN MOLEX	1
P17	PP10572	CORD, PLUG MOLDED 16-3 NEMA 6-15P 17.5" (SF50A)	1
	PP10710	CORD, PLUG MOLDED 16-3 NEMA 6-15P 23.5" (SF65A)	
S1	PP10735	SWITCH, ROCKER-DPST (ON-OFF)	1
S2	PP10739	SWITCH, THERMAL 135°F OPEN 105°F CLOSE	1

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Pitco
Frialator PITCO FRIALATOR, INC.
P.O. BOX 501 CONCORD, NH 03302-0501

TITLE: SCHEMATIC, FILTER-
SF50A, SF65A 220 VAC

REV	SEE PARTS LIST		TOLERANCES:
	EN NO	DATE	
DR.	D.P.M.	3/31/93	PART NO: .
CK	S.S.	4/1/93	SCALE: NONE SH 1 OF 1
APPD	EN NO: 3389	3/31/93	SIZE DWG NO: A 700144 REV 00
	APPD: .	.	

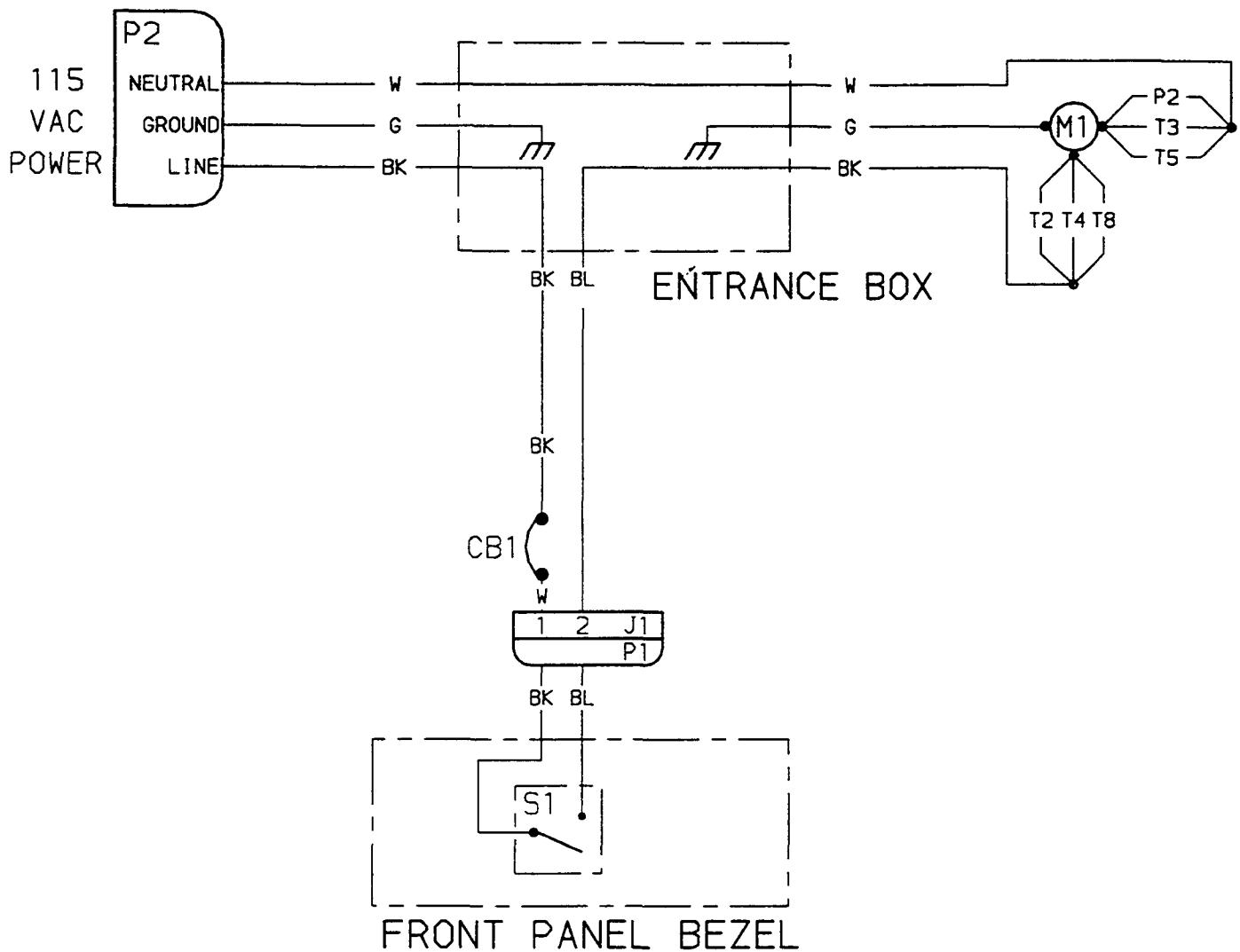


PARTS LIST			
NOMENCLATURE	PART NO.	DESCRIPTION	QTY
CB1	PP10470	CIRCUIT BREAKER, 4 AMP-DOUBLE POLE	1
DS1	PP10736	LAMP, 250 VAC-GREEN	1
HR1	PP10080	HEAT TAPE - 240 VAC, 165 W	1
M1	PP10171	PUMP/MOTOR ASSY, 240 VAC 50 HZ 1/3 HP	1
J1	PP10089	CONNECTOR, JACK-3 SKT MOLEX	1
P1	PP10090	CONNECTOR, PLUG-3 PIN MOLEX	1
P17	PP10572	CORD, PLUG MOLDED 16-3 NEMA 6-15P 17.5" (SF50A)	1
	PP10710	CORD, PLUG MOLDED 16-3 NEMA 6-15P 23.5" (SF65A)	
S1	PP10735	SWITCH, ROCKER-DPST (ON-OFF)	1
S2	PP10739	SWITCH, THERMAL 135°F OPEN 105°F CLOSE	1

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Pitco Frialator		PITCO FRIALATOR, INC.	
		P.O. BOX 501 CONCORD, NH 03302-0501	
TITLE: SCHEMATIC, FILTER-SF50A, SF65A 240 VAC			
REVISIONS	MATERIAL SEE PARTS LIST		TOLERANCES
	DWG APPROVAL	DATE	PART NO.
	DR: D.P.M.	3/31/93	
	CK: S.S.	7/16/93	SCALE: NONE SH 1 OF 1
	EN NO: 3389	3/31/93	SIZE
	APPD:		DWG NO: A
			REV: 00



PARTS LIST		
NOMENCLATURE	PART NO.	DESCRIPTION
S1	PP10098	SW, RKR DPDT 15A W/BK (1-0-1)
P1	P5045829	CONN, PLUG 2 PIN MLX
P2	PP10439	CORD, PLUG-MLD 14-3 NEMA 5-15P
M1	P5046381	PUMP/MTR ASSY, 1/2 HP 115/230V 60HZ
J1	P5045839	CONN, JACK 2 SKT MOLEX
CB1	PP10104	CKT BKR, TOG-SPST 10A 250V 50/60HZ

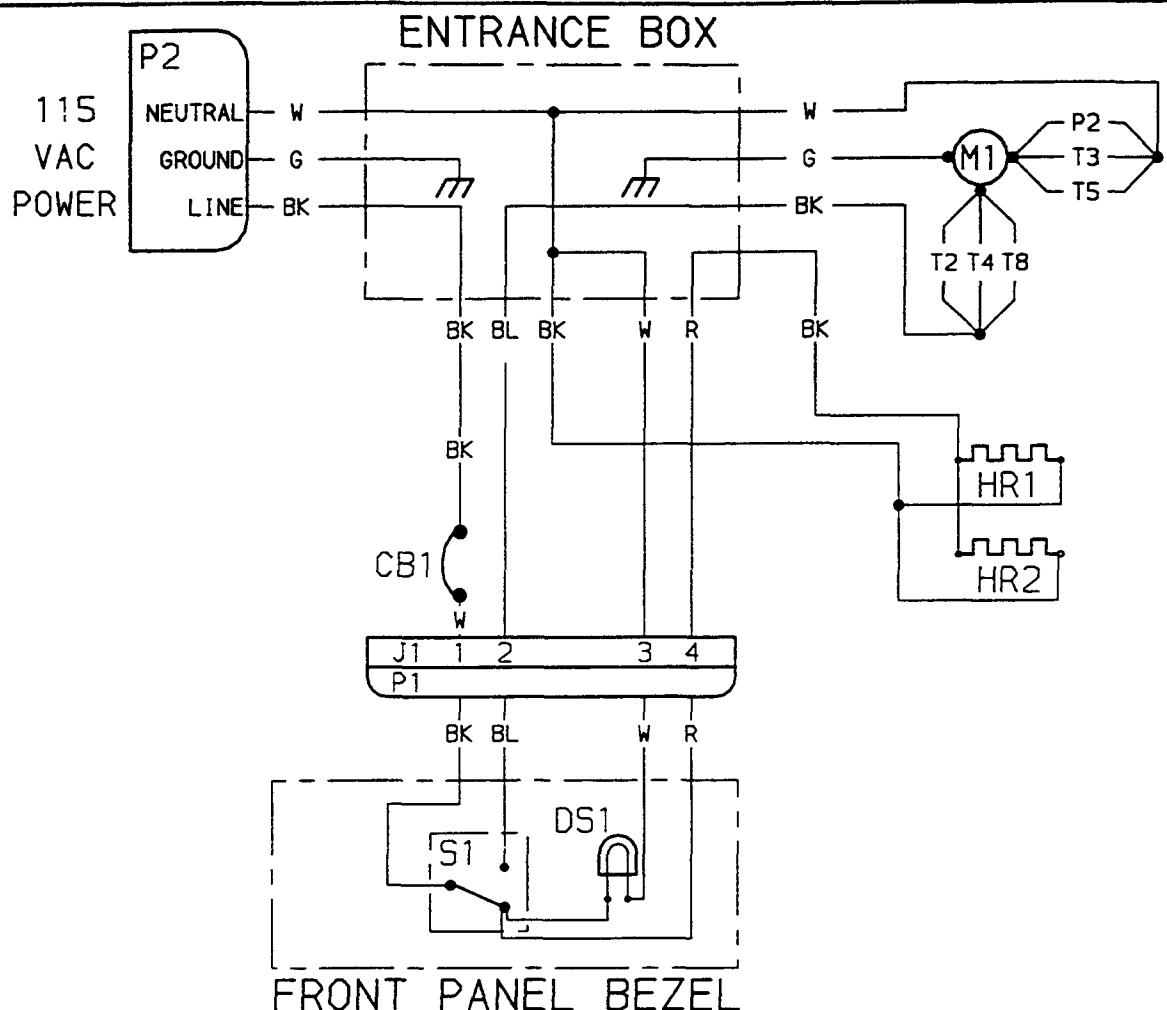
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P.O. BOX 501 CONCORD, NH 03302-0501

SCHEMATIC, FILTER 115 VAC
60 HZ OPTION W/O HEATER

01	REV	REVISIONS	MATERIAL	N/A	TOLERANCES: ± .015	
3665	EN NO		DWG APPROVAL	DATE	PART NO: A7015001	
11/04/93	DATE		DR: J. GARLAND	7/26/93	SCALE: N/A	SH 1 OF 1
JJG	DR		CK: DPM	9/21/93	SIZE	REV
R.E.P.	CK		EN NO:	3506	7/26/93	A
D.B.	APPD		APPO:	.	.	700150



PARTS LIST		
NOMENCLATURE	PART NO.	DESCRIPTION
S1	PP10098	SW, RKR DPDT 15A W/BK (1-0-1)
P1	PP10202	CONN, PLUG 4 PIN MOLEX
P2	PP10439	CORD, PLUG-MLD 14-3 NEMA 5-15P
M1	P5046381	PUMP/MTR ASSY, 1/2 HP 115/230V 60HZ
J1	PP10203	CONN, JACK 4 SKT MOLEX
CB1	PP10104	CKT BKR, TOG-SPST 10A 250V 50/60HZ
DS1	PP10082	LAMP, 125V AMBER RECT
HR1, HR2	5046980	HEATER, STRIP 500W 120V

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01		REV	REVISIONS	MATERIAL		TOLERANCES: $\pm .015$		
3665		EN NO		N/A		NONE		
11/04/93		DATE		DWG APPROVAL	DATE	PART NO:		NONE
JJG		DR		DR: J. GARLAND	9/14/93	SCALE:		N/A SH 1 OF 1
R.E.P.J		CK		CK: DPM	9/21/93	SIZE	DWG NO:	
P.B.		APPD		EN NO:	3506	7/26/93	A	700151 REV 01
			APPD:	.	.			