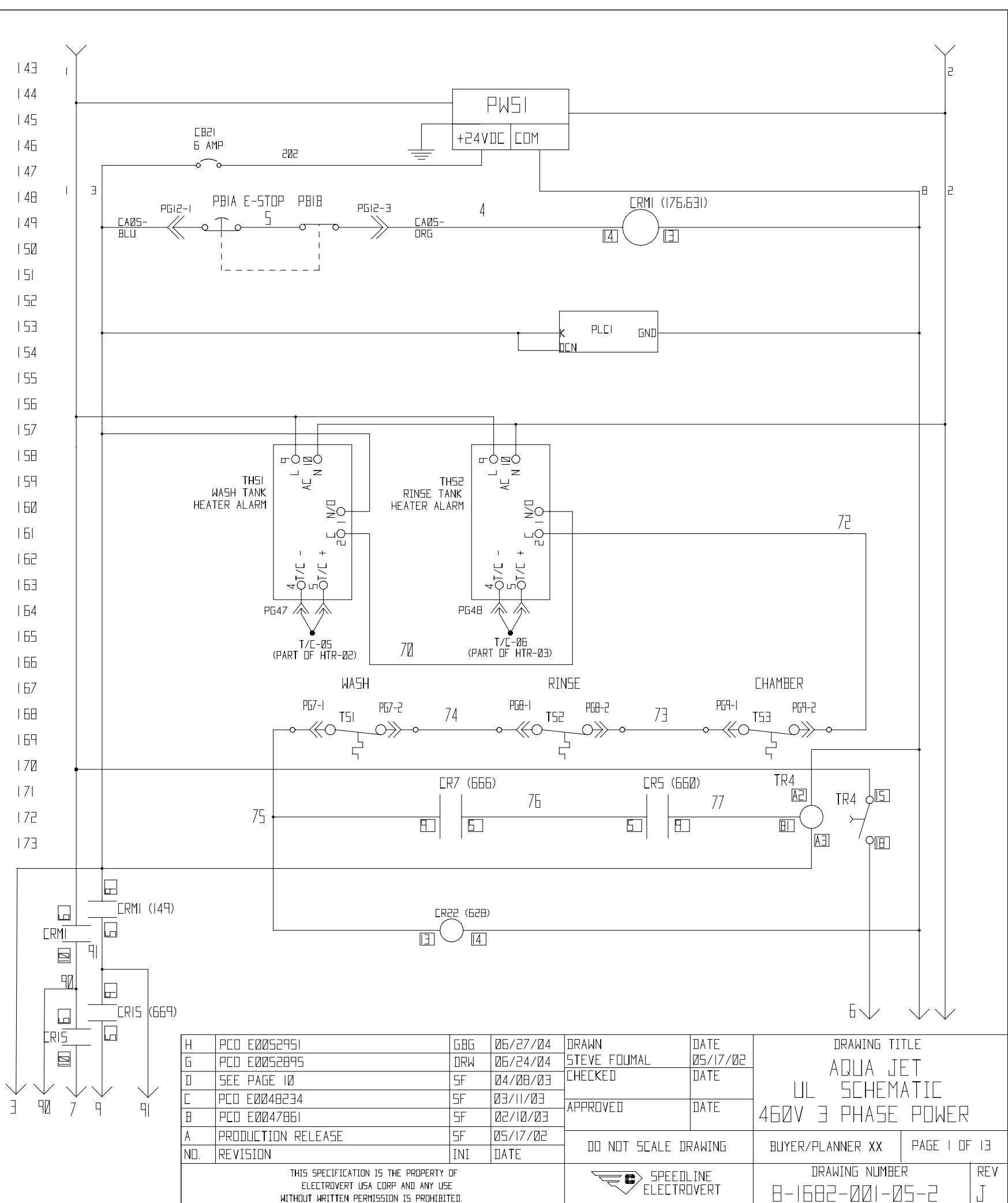
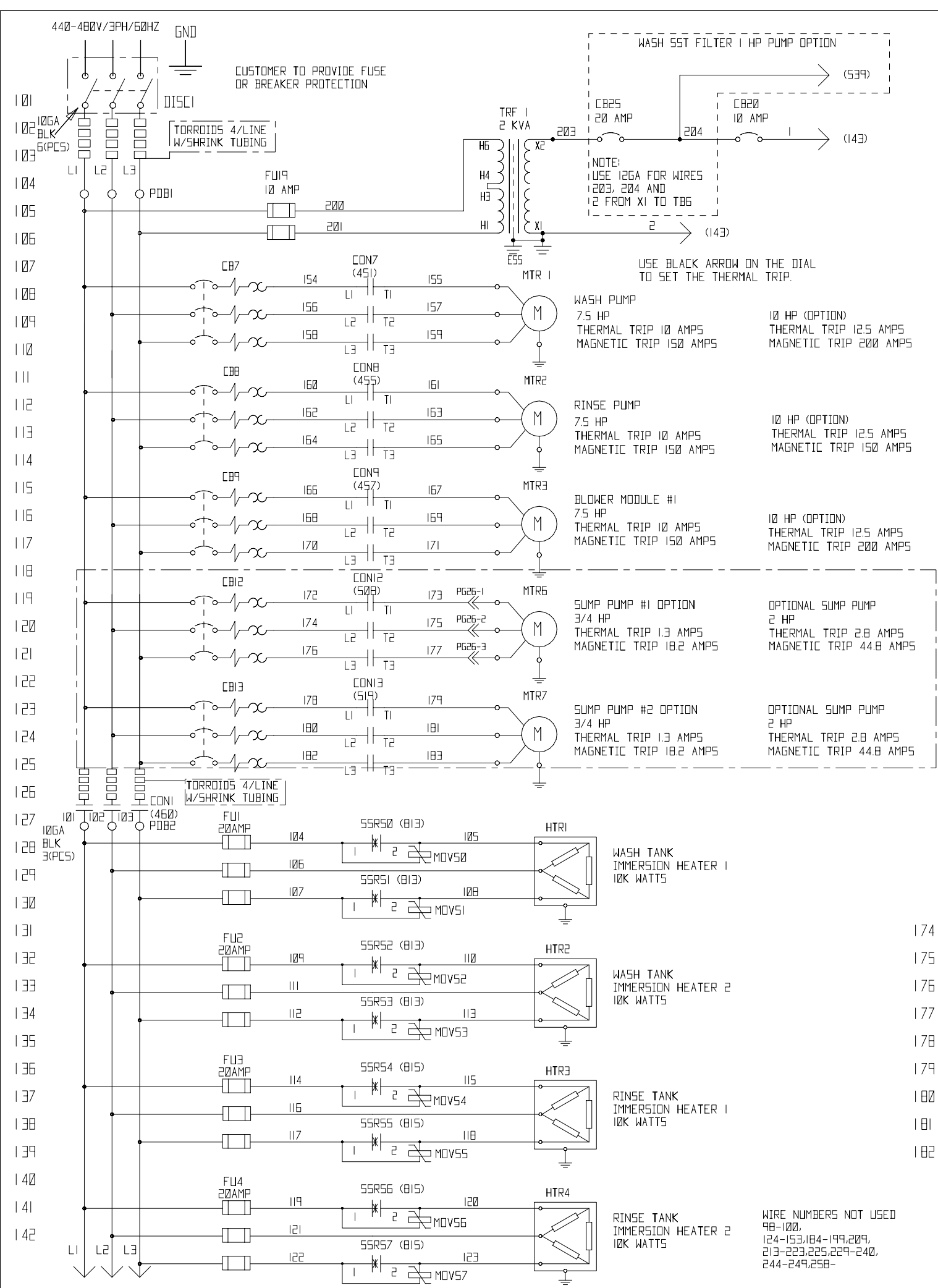
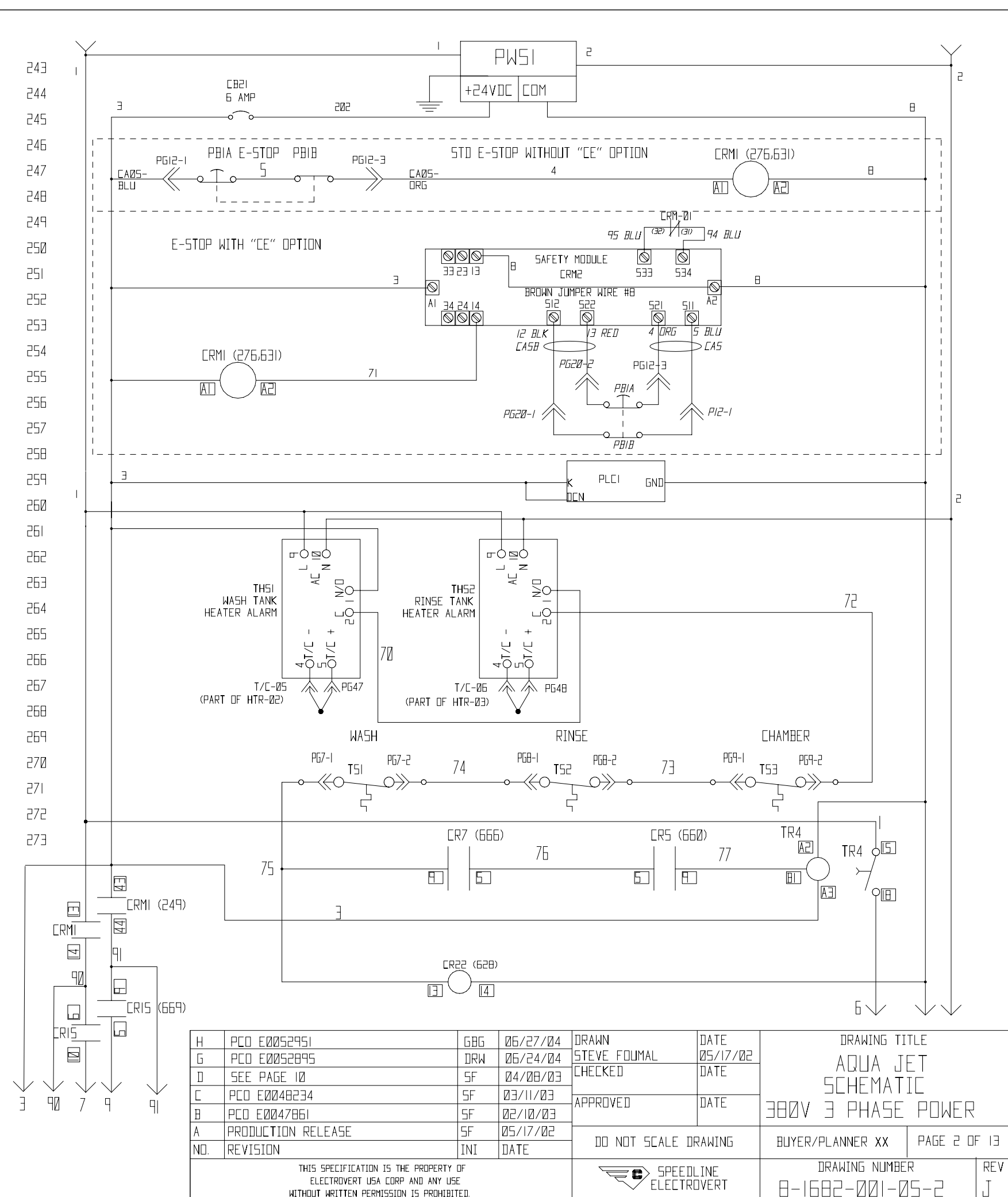
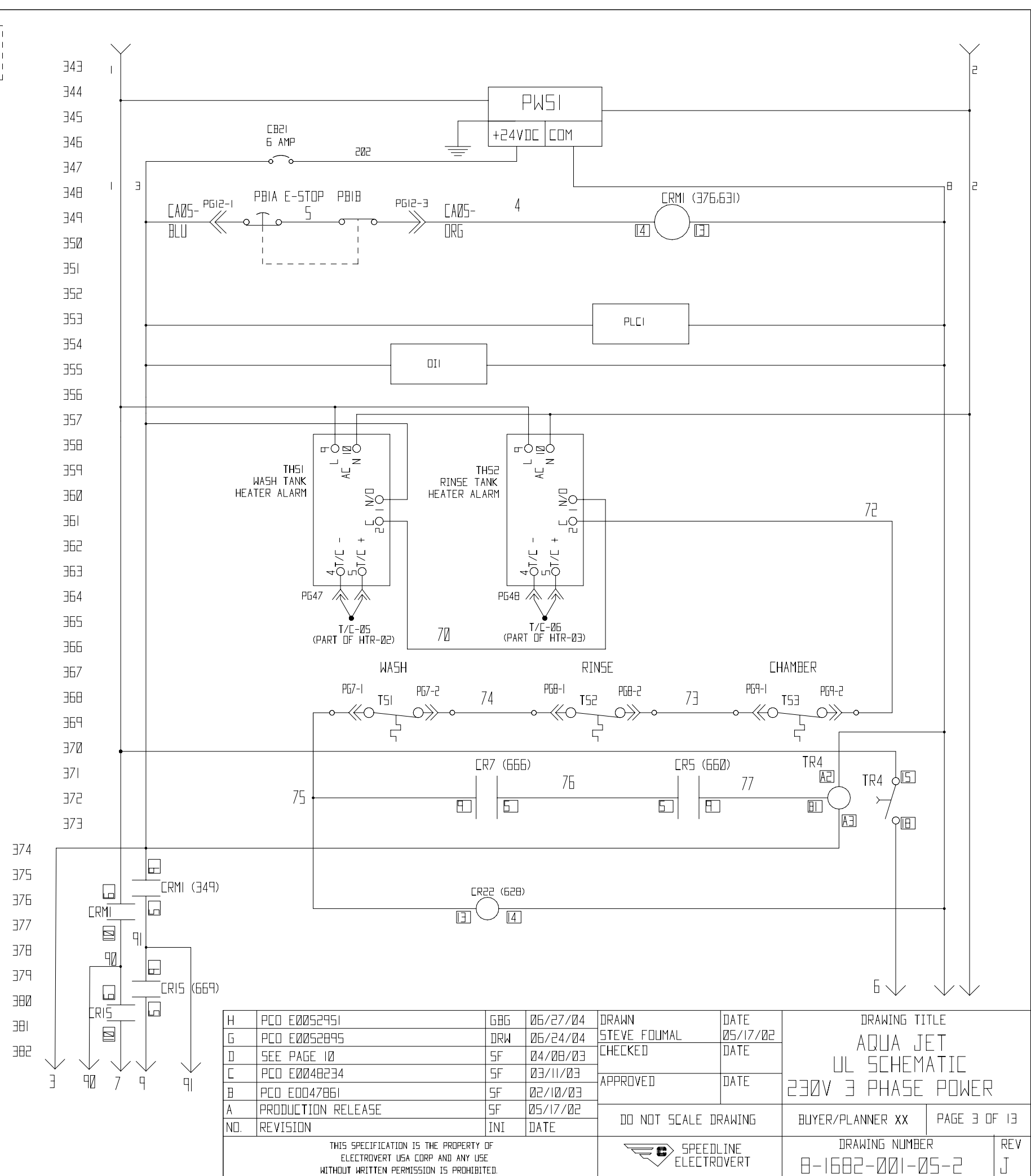
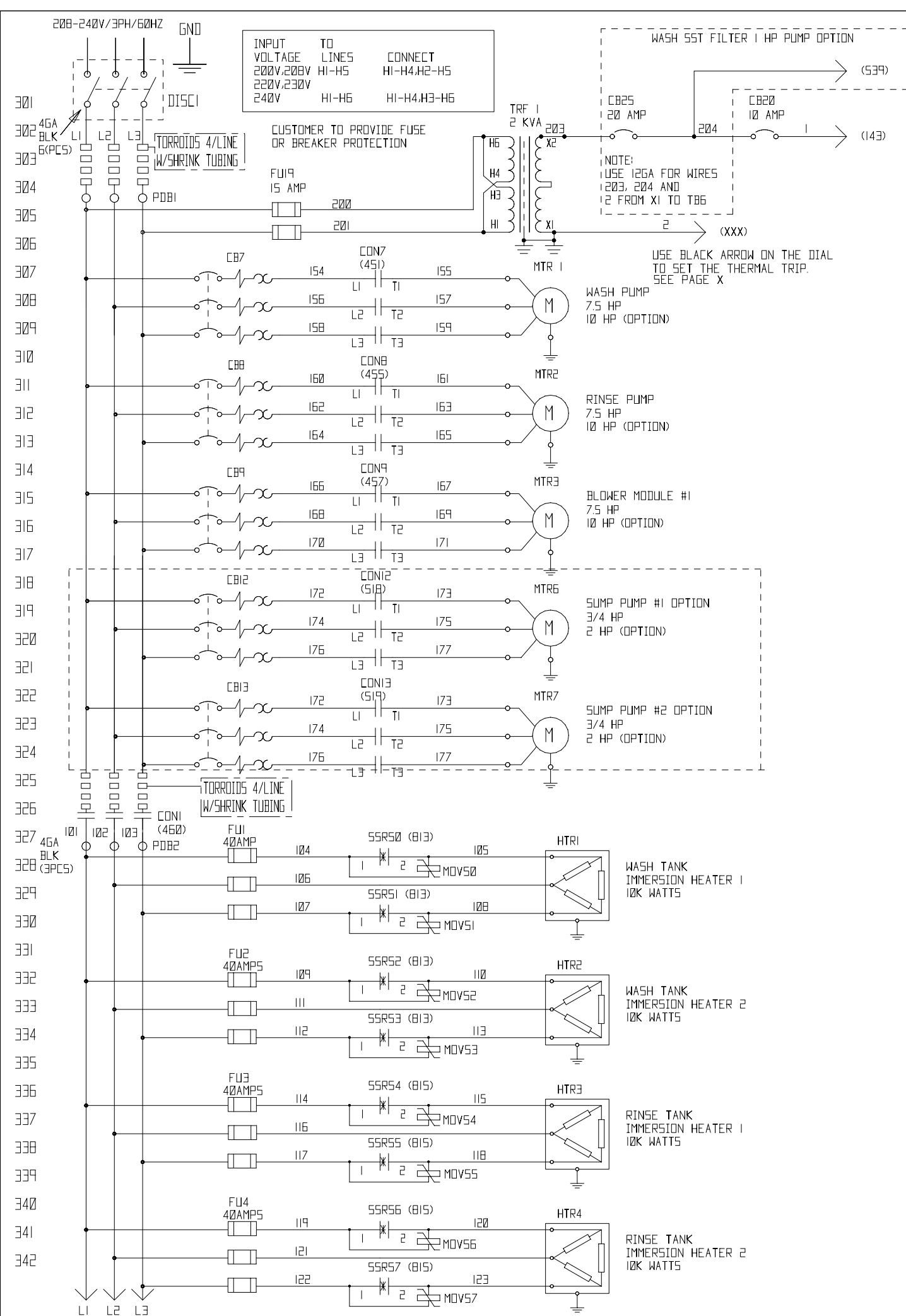
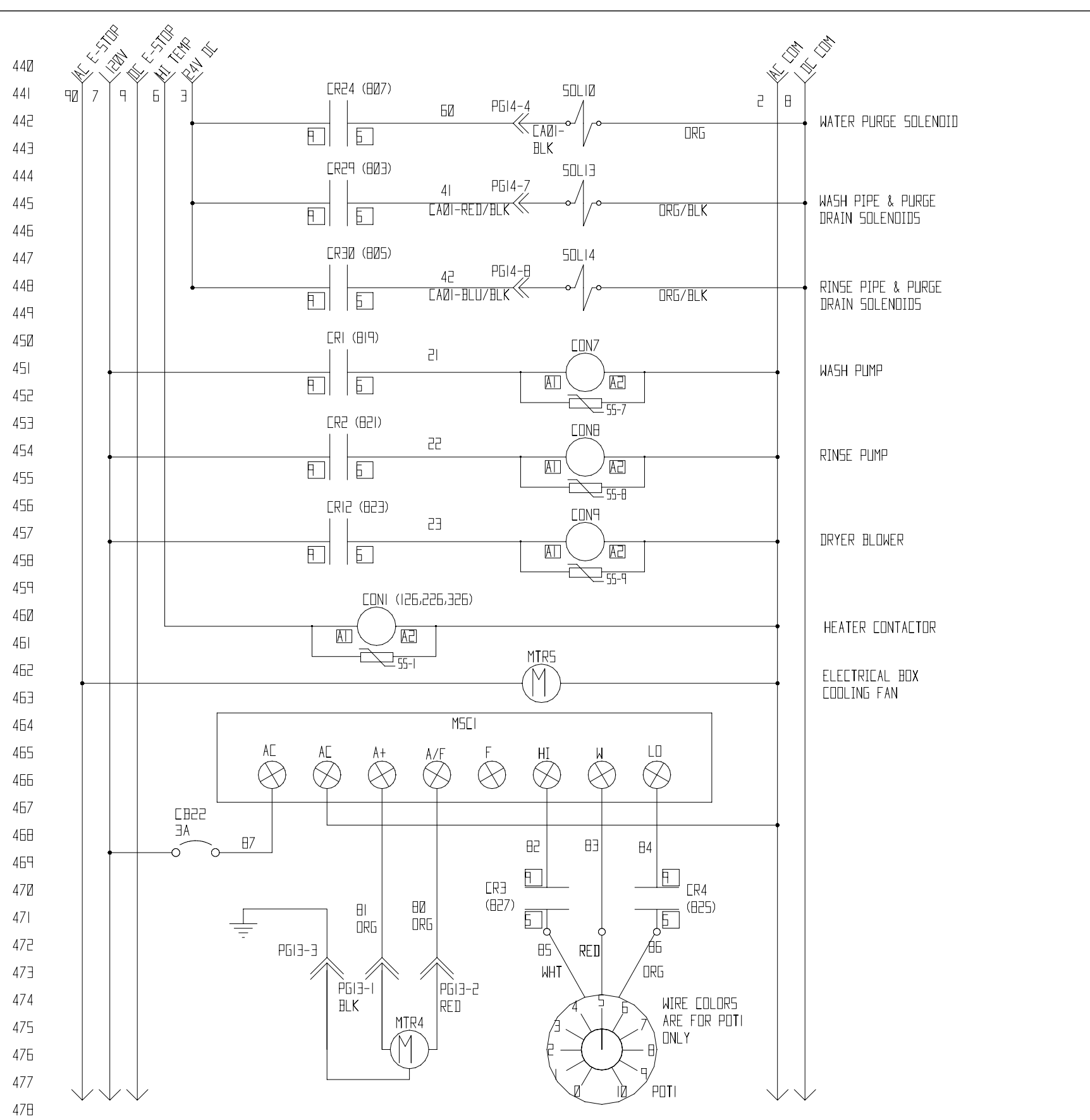
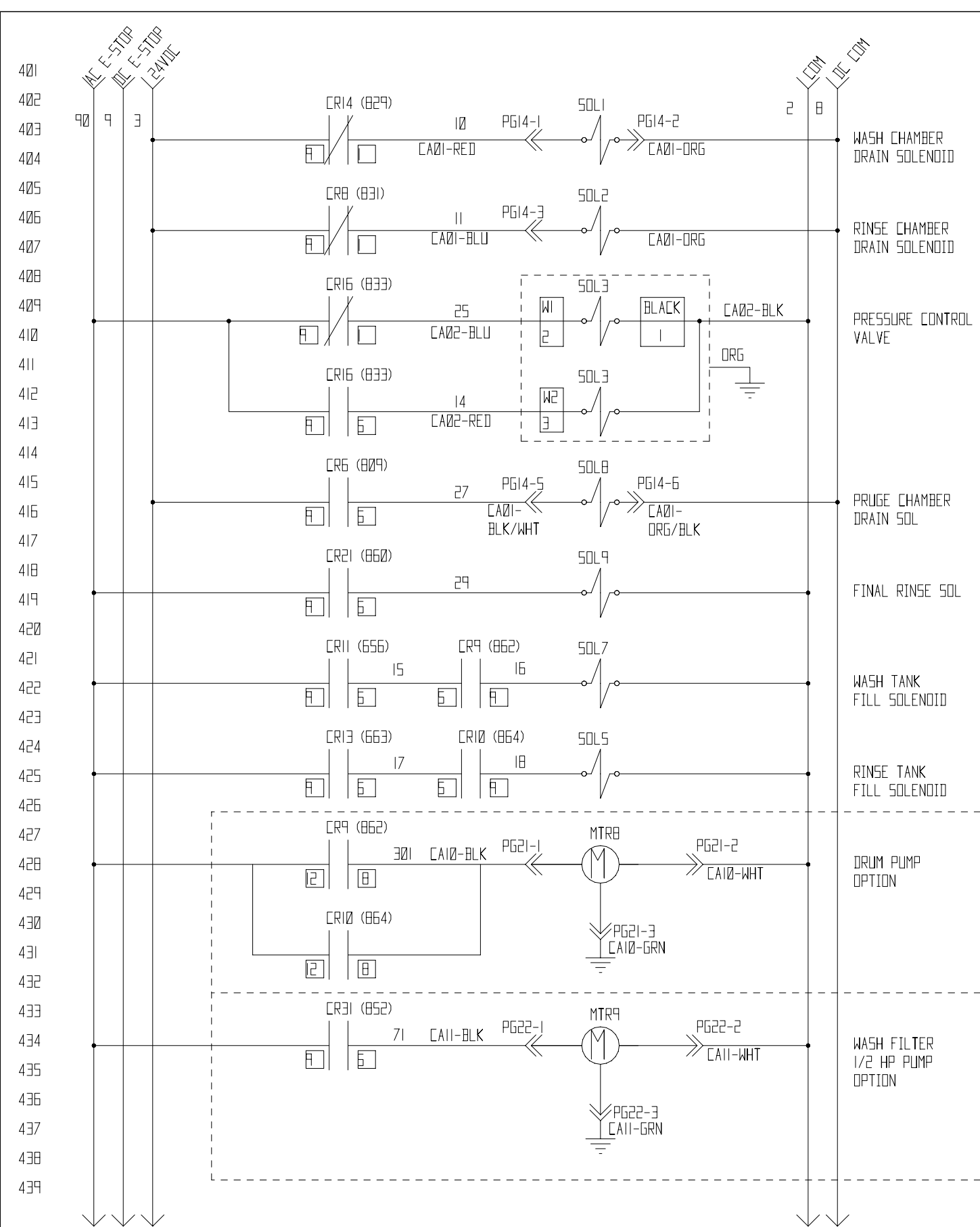






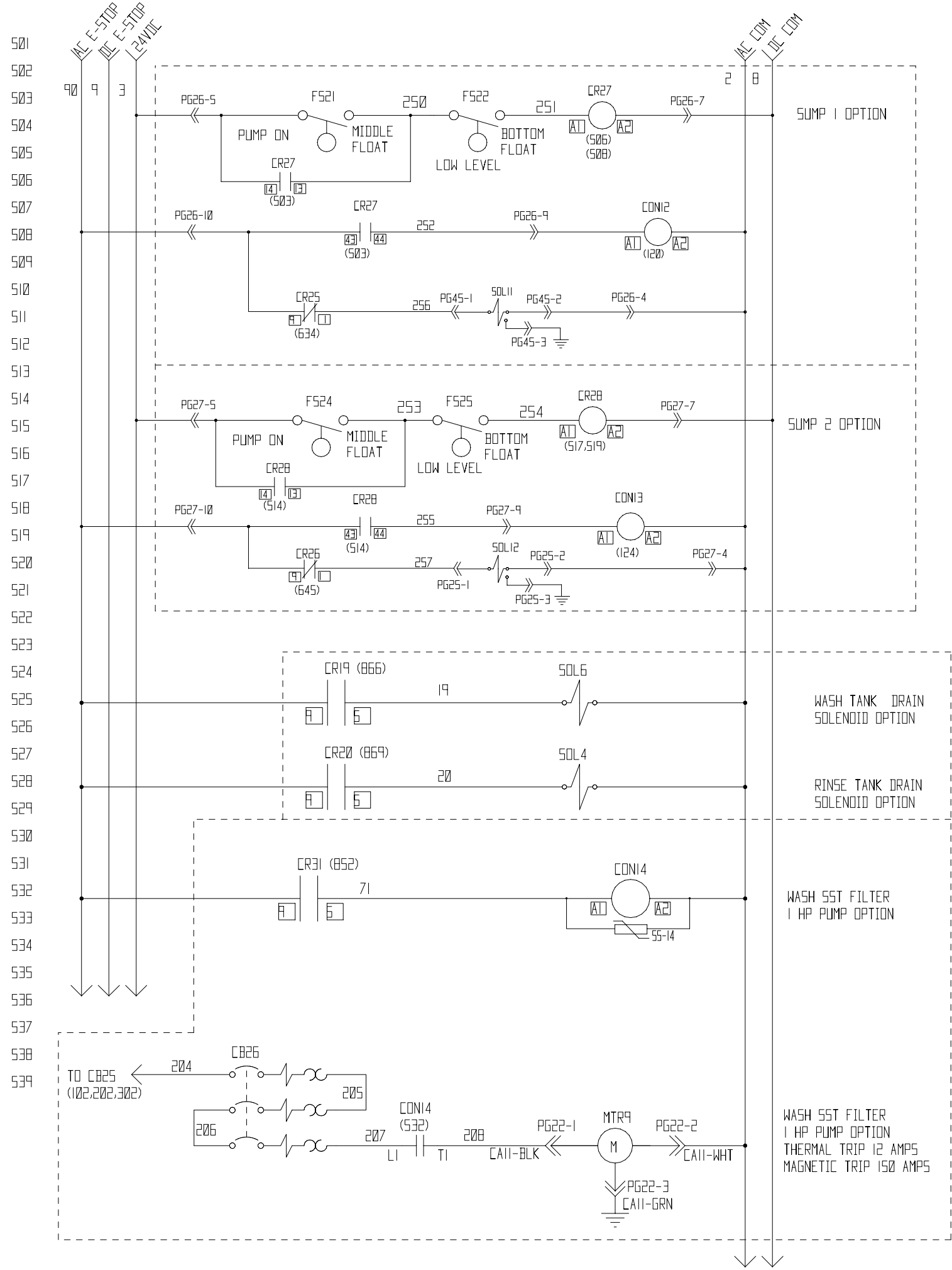
H	PCD E0052951	GBG	06/27/04	DRAWN	DATE	DRAWING TITLE		
G	PCD E0052895	DRW	06/24/04	STEVE FOUMAL	05/17/02	AQUA JET		
D	SEE PAGE 10	SF	04/08/03	CHECKED	DATE	SCHEMATIC		
C	PCD E0048234	SF	03/11/03	APPROVED	DATE	380V 3 PHASE POWER		
B	PCD E0047861	SF	02/10/03					
A	PRODUCTION RELEASE	SF	05/17/02	DO NOT SCALE DRAWING		BUYER/PLANNER XX	PAGE 2 OF 13	
NO.	REVISION	INI	DATE					
THIS SPECIFICATION IS THE PROPERTY OF ELECTROVERT USA CORP AND ANY USE WITHOUT WRITTEN PERMISSION IS PROHIBED.				 SPEEDLINE ELECTROVERT		DRAWING NUMBER 8-1682-001-05-2		REV J



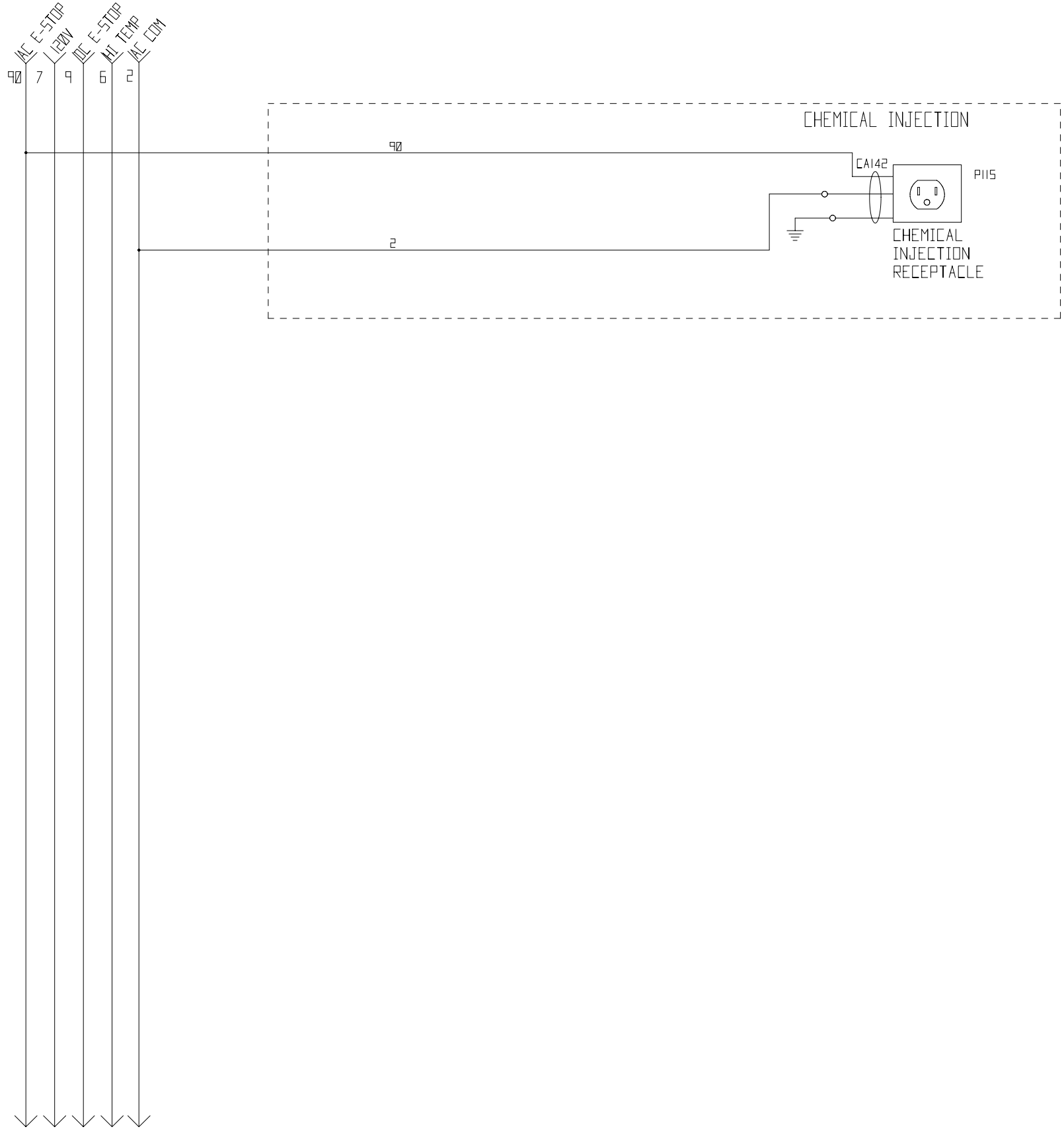


J	PCO E0054230	DRW	11/30/04	DRAWN	STEVE FOUMAL	DATE	DRAWING TITLE		
H	PCO E0052951	GBG	06/27/04	CHECKED		05/17/02	AQUAJET		
D	SEE PAGE 10	SF	04/08/03	APPROVED		DATE	SCHEMATIC		
C	UPDATED WIRES FOR AC & DC E-STOP	SF	03/11/03			DATE	CONTROLS		
B	CHANGED PG14 TO 9 PIN PLUG	SF	02/10/03	DO NOT SCALE DRAWING			BUYER/PLANNER XX		PAGE 4 OF 13
A	PRODUCTION RELEASE	SF	05/17/02						
NO.	REVISION	INI	DATE	 SPEEDLINE ELECTROVERT			DRAWING NUMBER		REV
THIS SPECIFICATION IS THE PROPERTY OF ELECTROVERT USA CORP AND ANY USE WITHOUT WRITTEN PERMISSION IS PROHIBITED.							8-1682-001-05-2		J

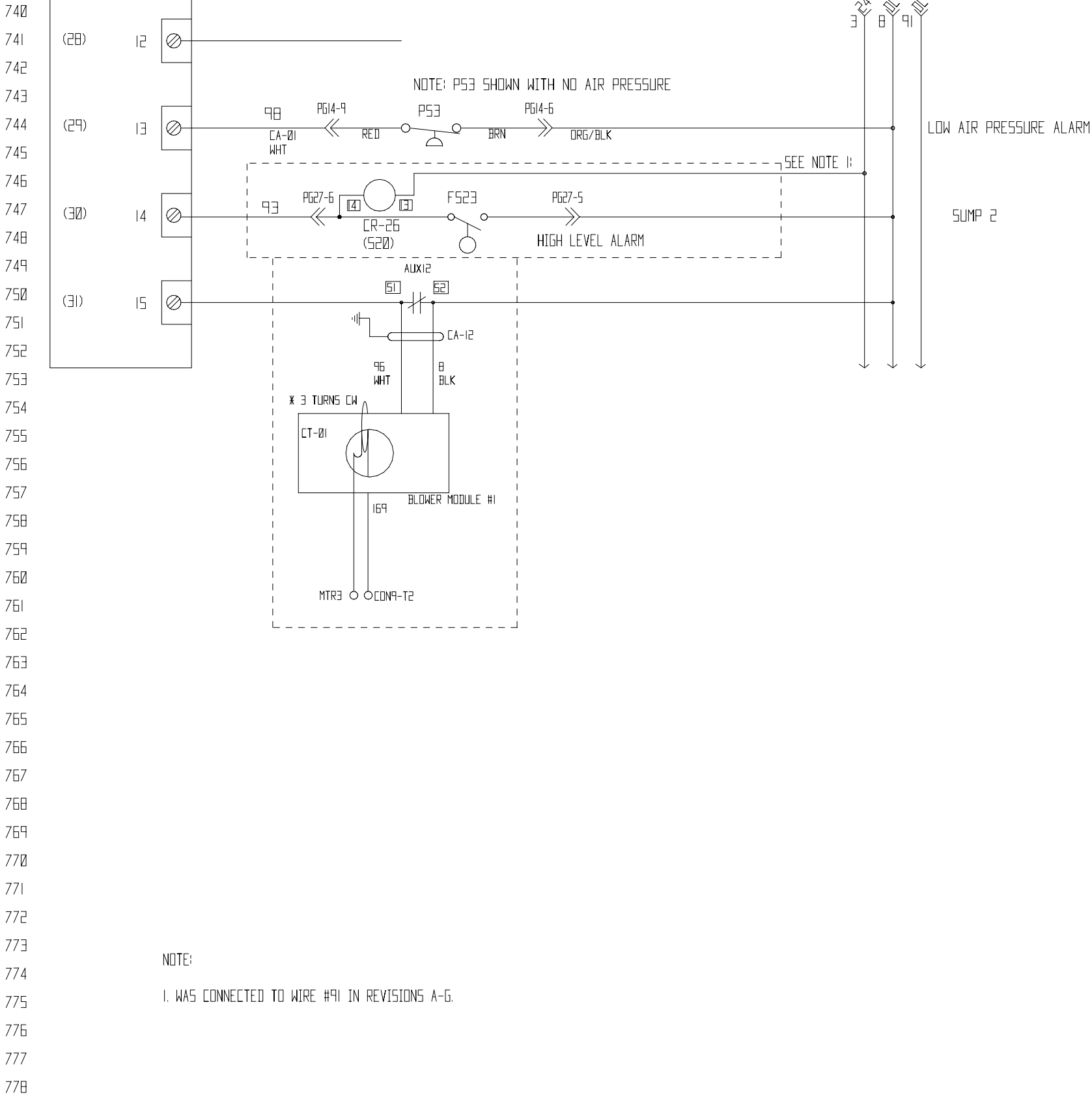
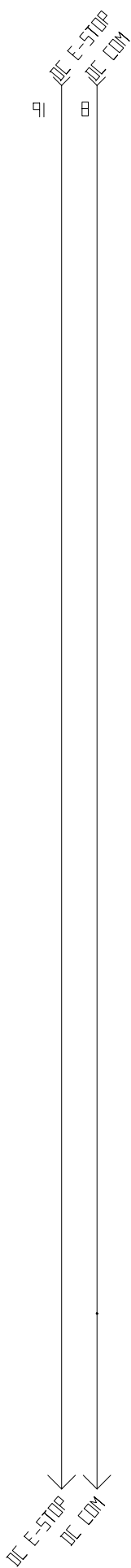
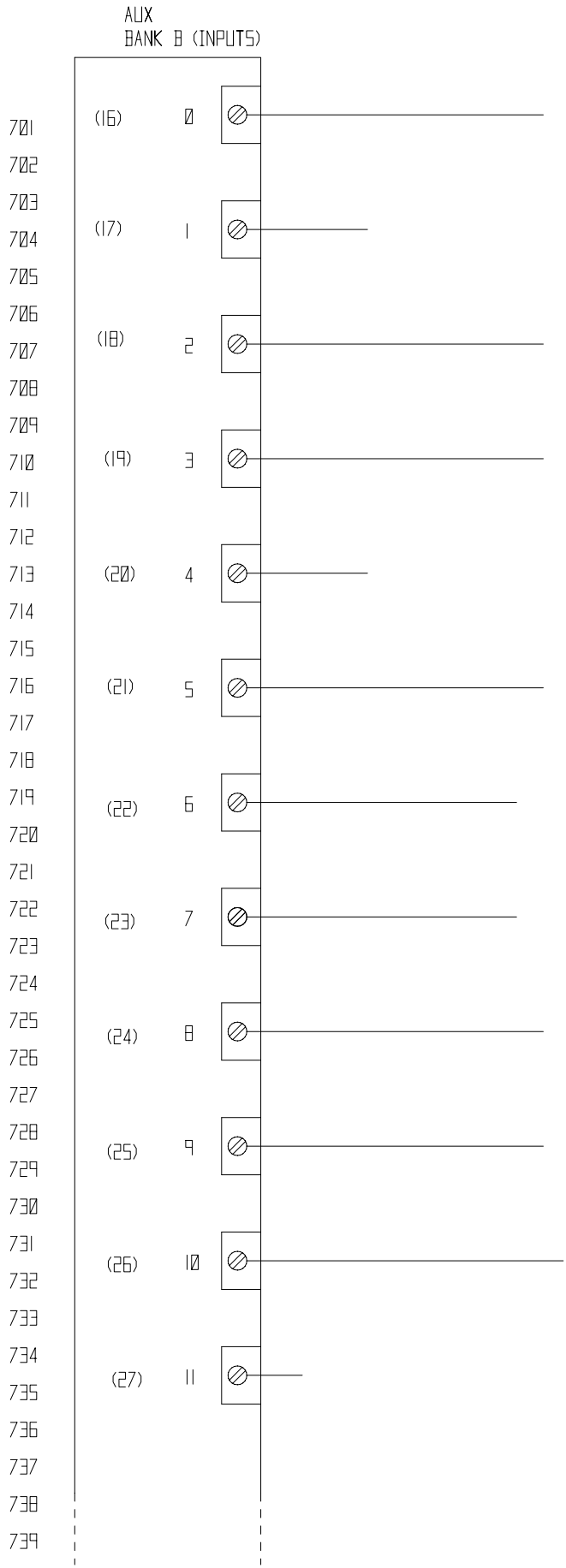
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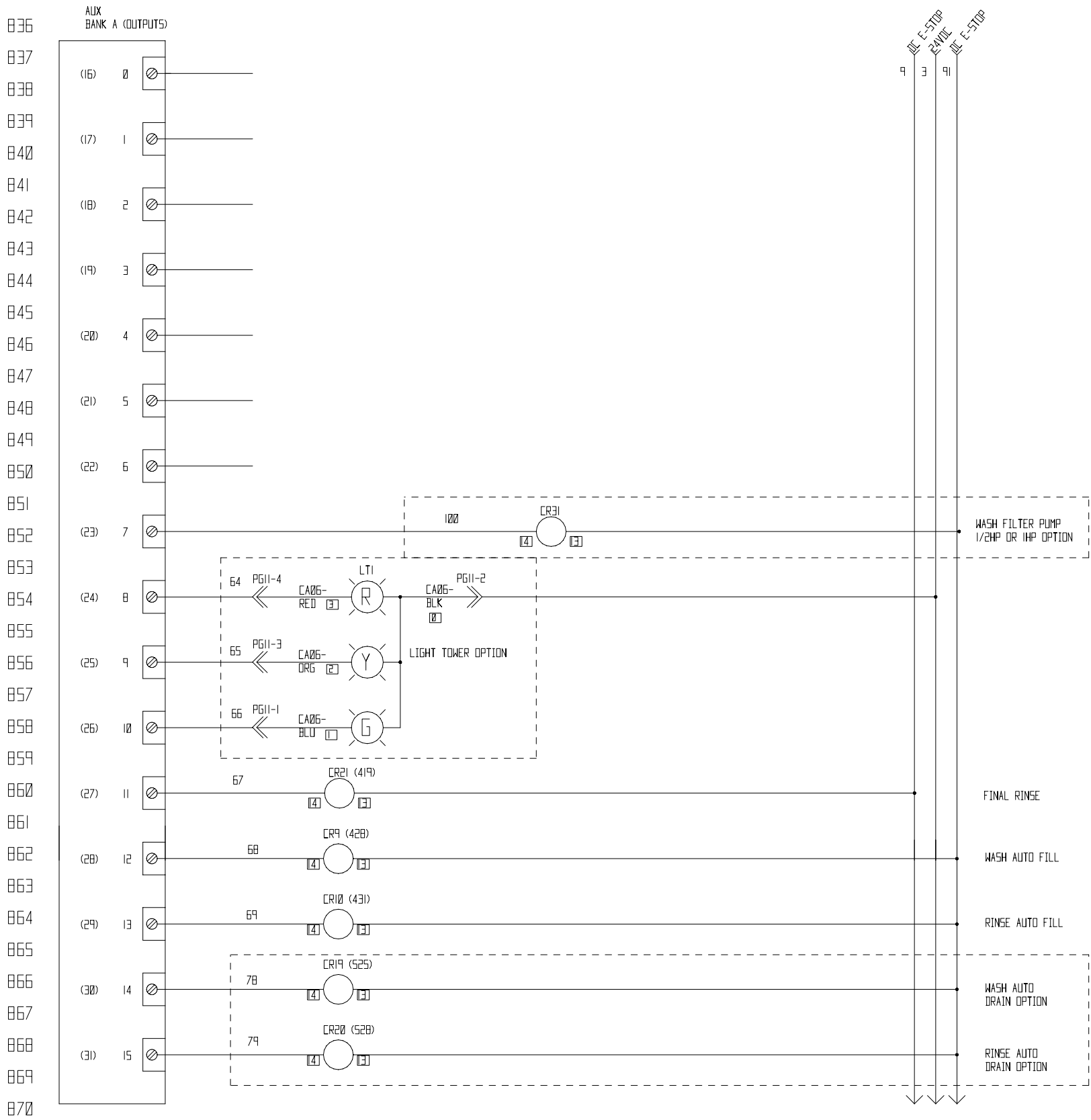
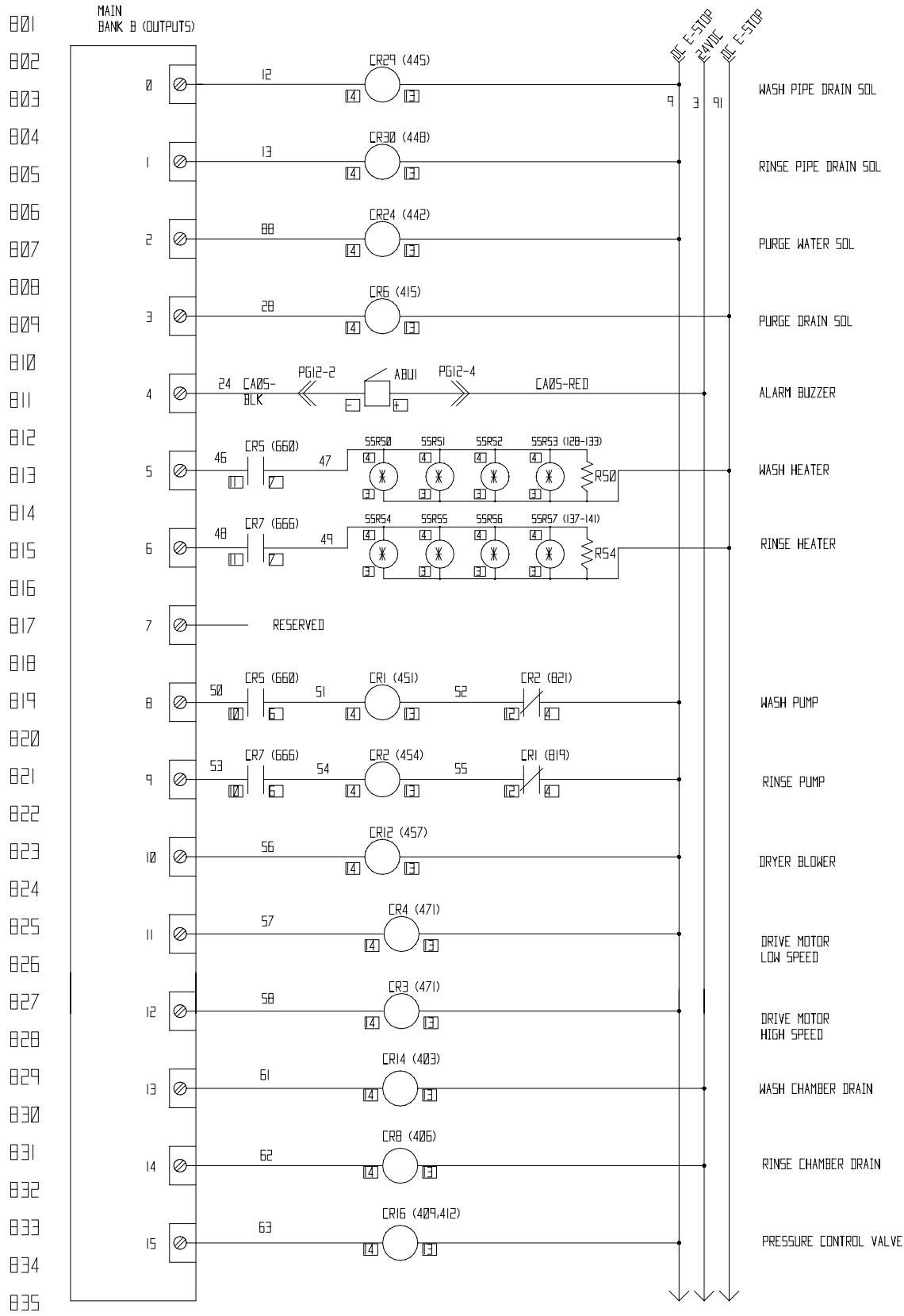
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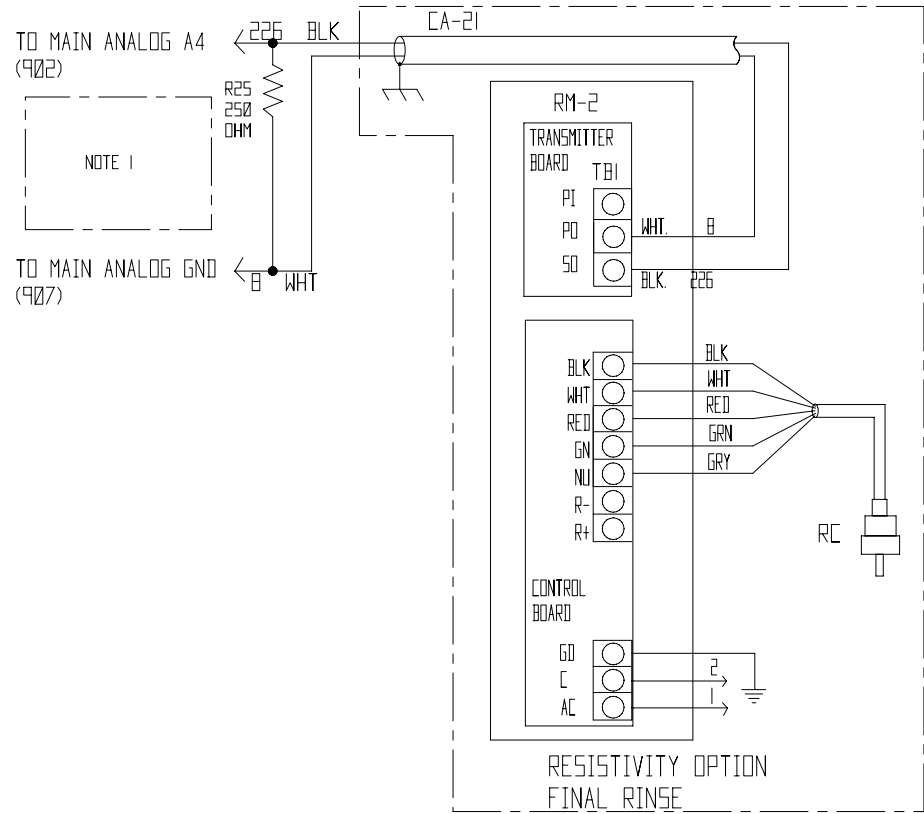
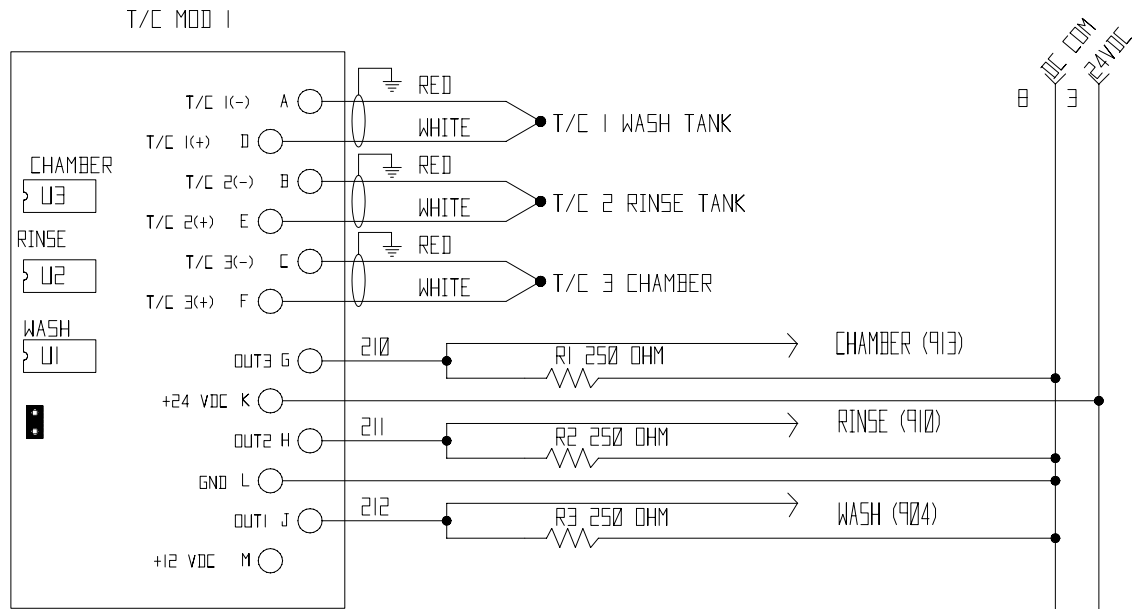
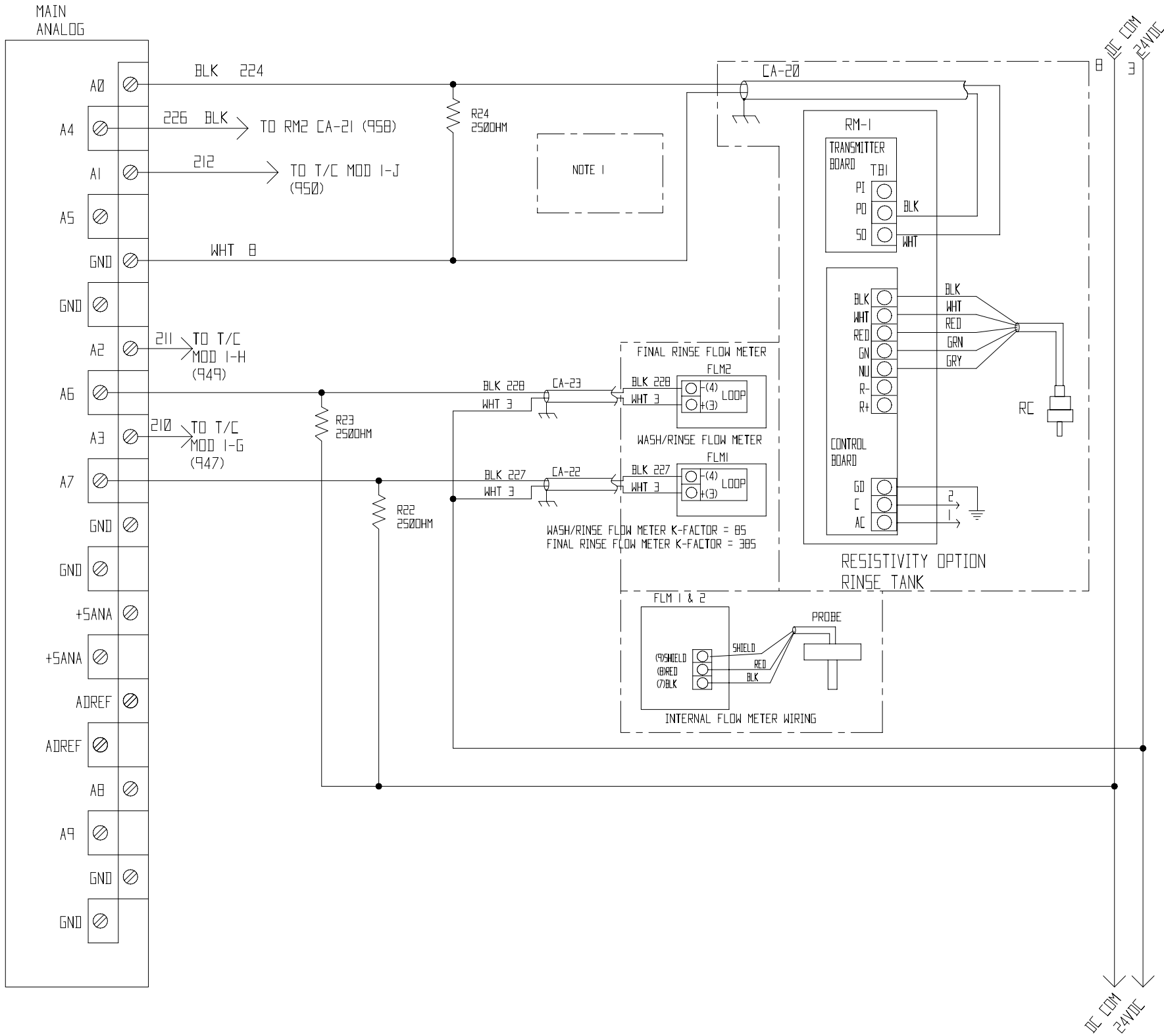
				DRAWN STEVE FOJMAL	DATE 05/17/02	DRAWING TITLE AQUAJET SCHEMATIC CONTROLS		
H	PCO E0052951	GBG	06/27/04	CHECKED	DATE			
D	SEE PAGE 10	SF	04/08/03	APPROVED	DATE			
C	UPDATED AC & DC E-STOP	SF	03/11/03					
B	PCO E0047861	SF	02/10/03					
A	PRODUCTION RELEASE	SF	05/17/02	DO NOT SCALE DRAWING		BUYER/PLANNER XX		PAGE 5 OF 13
NO.	REVISION	INI	DATE					
THIS SPECIFICATION IS THE PROPERTY OF ELECTROVERT USA CORP AND ANY USE WITHOUT WRITTEN PERMISSION IS PROHIBITED.				 SPEEDLINE ELECTROVERT		DRAWING NUMBER 8-1682-001-05-2		REV J



				DRAWN STEVE FOUMAL	DATE 05/17/02	DRAWING TITLE AQUAJET SCHEMATIC DIGITAL INPUT		
H	PCO E0052951	GBG	06/27/04	CHECKED	DATE			
D	SEE PAGE 10	SF	04/08/03	APPROVED	DATE			
C	PCO E0040234	SF	03/11/03					
B	UPDATED P53 PLUG NUMBER	SF	02/10/03					
A	PRODUCTION RELEASE	SF	05/17/02	DO NOT SCALE DRAWING		BUYER/PLANNER XX		PAGE 7 OF 13
NO.	REVISION	INI	DATE					
THIS SPECIFICATION IS THE PROPERTY OF ELECTROVERT USA CORP AND ANY USE WITHOUT WRITTEN PERMISSION IS PROHIBITED.				 SPEEDLINE ELECTROVERT		DRAWING NUMBER 8-1682-001-05-2		REV J

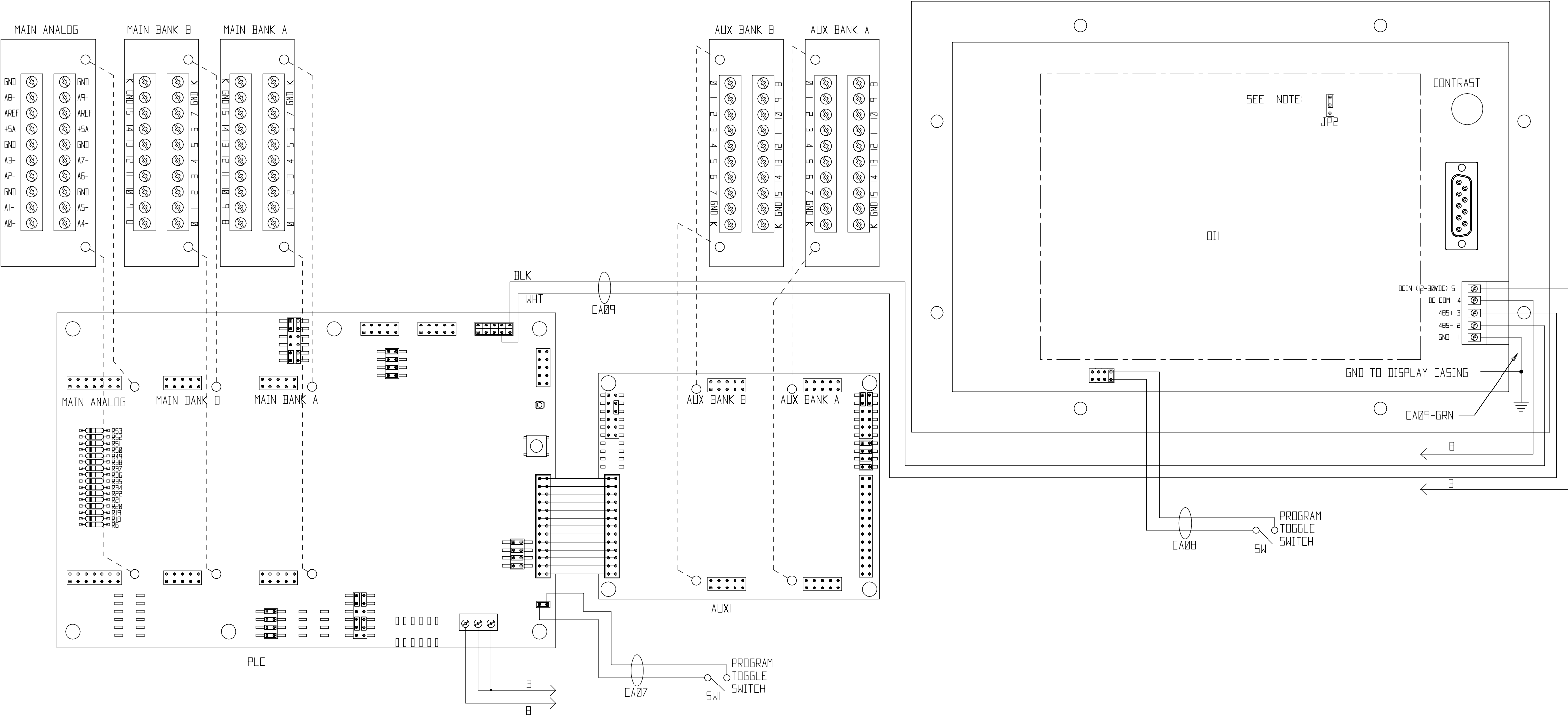


				DRAWN STEVE FOUMAL	DATE 05/17/02	DRAWING TITLE AQUAJET SCHEMATIC DIGITAL OUTPUT	
H	PCO E0052951	GBG	06/27/04	CHECKED	DATE		
D	SEE PAGE 10	SF	04/08/03	APPROVED	DATE		
C	CHANGED CR5,7 PINS	SF	03/11/03				
B	PCO E0047861	SF	02/10/03				
A	PRODUCTION RELEASE	SF	05/17/02				
NO.	REVISION	INI	DATE	DO NOT SCALE DRAWING		BUYER/PLANNER XX	PAGE 8 OF 13
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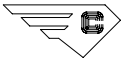


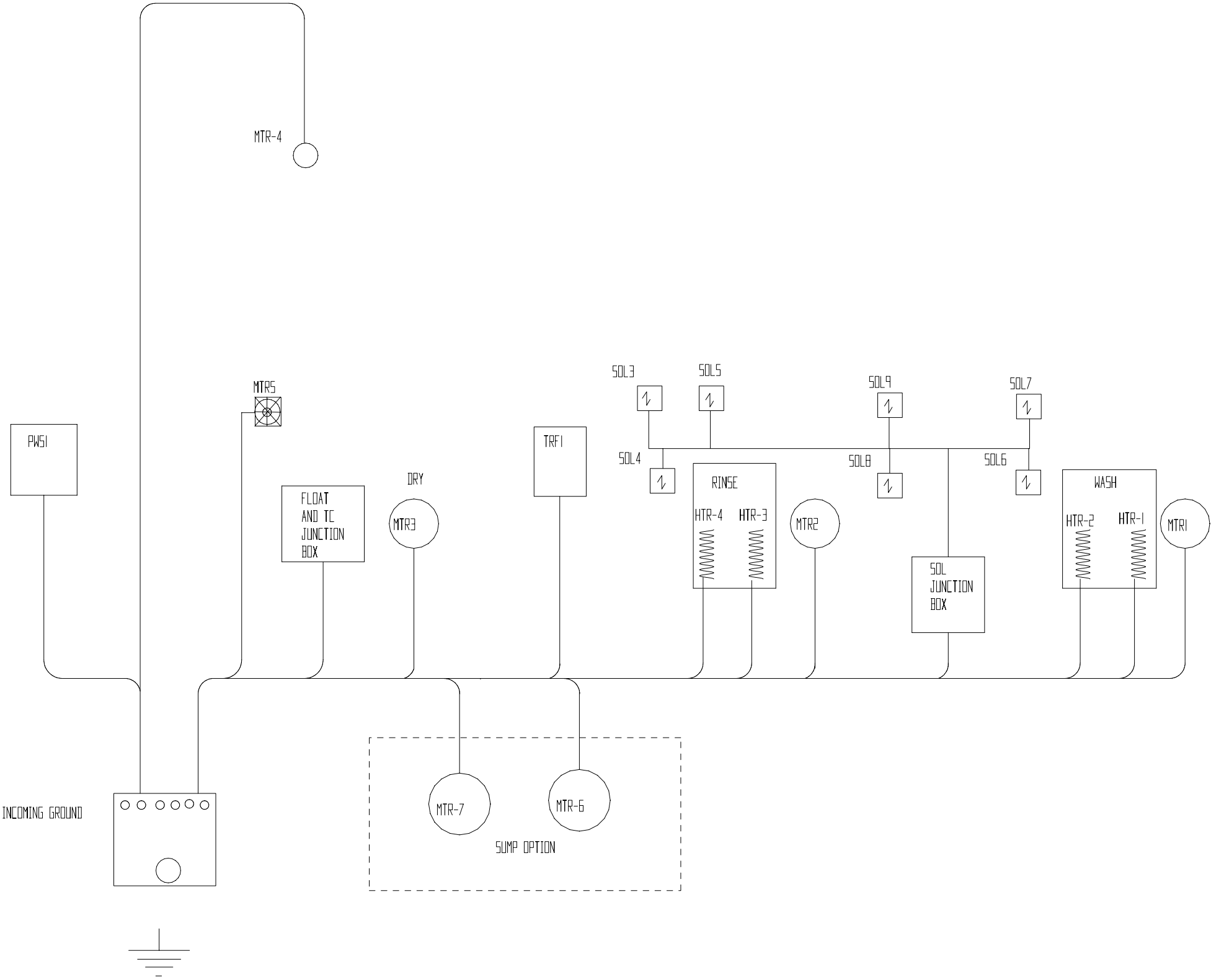
NOTE 1: ISOLATE RESISTIVITY MONITOR OPTION POWER WIRING TO ANALOG BOARD AWAY FROM AC AND DC POWER WIRING TO ELIMINATE INTERMITTENT NOISE ISSUES.

F	PCO E0052472	DRW	05/13/04	DRAWN	STEVE FOUMAL	DATE	05/17/02	DRAWING TITLE AQUAJET SCHEMATIC ANALOG INPUT	
E	PCO E0052229	DRW	04/16/04	CHECKED		DATE			
D	SEE PAGE 10	SF	04/08/03	APPROVED		DATE			
C	PCO E0040234	SF	03/11/03						
B	UPDATED RESISTIVITY MONITOR	SF	02/10/03					BUYER/PLANNER XX	PAGE 9 OF 13
A	PRODUCTION RELEASE	SF	05/17/02						
NO.	REVISION	INI	DATE						
THIS SPECIFICATION IS THE PROPERTY OF ELECTROVERT USA CORP AND ANY USE WITHOUT WRITTEN PERMISSION IS PROHIBITED.				DO NOT SCALE DRAWING				DRAWING NUMBER 8-1682-001-05-2	REV J



NOTE:
JP2 CONFIGURED FOR MANUAL CONTRAST ADJUSTMENT

				DRAWN STEVE FOUMAL	DATE 05/17/02	DRAWING TITLE AQUAJET SCHEMATIC CONTROLLER		
I	PCO E0053846	DRW	10-14-04	CHECKED	DATE			
D	PCO E0048611 ADDED NOTE & JP2	SF	04/08/03	APPROVED	DATE			
C	PCO E0048234	SF	03/11/03					
B	PCO E0047861	SF	02/10/03	DO NOT SCALE DRAWING		BUYER/PLANNER XX	PAGE 10 OF 13	
A	PRODUCTION RELEASE	SF	05/17/02			DRAWING NUMBER 8-1682-001-05-2		REV J
NO.	REVISION	INI	DATE					
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HEATER, BLOWER, AND PUMP GROUNDS ARE TO BE SIZED ACCORDING TO POWER CONDUCTORS.

MOTOR STARTER SETTINGS	THERMAL	MAGNETIC
208 V		
PUMPS		
7.5 HP	19	228
10 HP	26.5	318
SUMP/RECIRC		
3/4 HP	2.7	32.4
2HP	6.2	74.4
BLOWERS		
7.5 HP	19	228
10 HP	25	300
230 V		
PUMPS		
7.5 HP	18	216
10 HP	24	288
SUMP/RECIRC		
3/4 HP	2.6	31.2
2 HP	5.8	69.6
BLOWERS		
7.5 HP	18	216
10 HP	24	288
220 V		
PUMPS		
7.5 HP	19	228
10 HP	25.3	303.6
SUMP/RECIRC		
3/4 HP	2.7	32.4
2 HP	6.0	72
BLOWERS		
7.5 HP	19	228
10 HP	25	300

* MINIMUM SETTING - MAY BE DIALED UP TO ACCOMMODATE LARGER INRUSH

				DRAWN STEVE FOUMAL	DATE 05/17/02	DRAWING TITLE AQUAJET SCHEMATIC GROUNDING DIAGRAM		
				CHECKED	DATE			
				APPROVED	DATE			
D	SEE PAGE 10	SF	04/08/03			DO NOT SCALE DRAWING		
C	PCO E0040234	SF	03/11/03					
B	PCO E0047861	SF	02/10/03			BUYER/PLANNER XX		
A	PRODUCTION RELEASE	SF	05/17/02					
NO.	REVISION	INI	DATE				PAGE 11 OF 13	
THIS SPECIFICATION IS THE PROPERTY OF ELECTROVERT USA CORP AND ANY USE WITHOUT WRITTEN PERMISSION IS PROHIBITED.				 SPEEDLINE ELECTROVERT		DRAWING NUMBER 8-1682-001-05-2		REV J

COMPONENT LIST				
PART	DESCRIPTION	REFERENCE LN	PART NUMBER	OPTION
ABU1	ALARM BUZZER	611	2-5999-059-00-0	
FU1,2,3,4	FUSE 20A	125,130,134,139	2-5020-371-00-0	460V (FUSE HOLDER, 2-5018-131-00-0)
CB1,2,3,4	CIRCUIT BREAKER 3POLE 20AMP	225,230,234,239	2-5009-323-03-0	300V
FU1,2,3,4	FUSE 40A	325,330,334,339	2-5020-306-00-0	230V (FUSE HOLDER, 2-5018-125-00-0)
CB7,8	MOTOR STARTER CB 10-16FLA	108,112,208,212	2-5016-020-00-0	HURRICANE 7.5HP, 10HP 460V, 300V
	MOTOR STARTER CB 16-27FLA	308,312	2-5016-021-00-0	HURRICANE 7.5HP,10HP 230V,15HP 300V
CB9	MOTOR STARTER CB 10-16FLA	116	2-5016-020-00-0	STD. 7.5HP, 10HP BLOWER 460V, 300V
	MOTOR STARTER CB 16-27FLA	216, 316	2-5016-021-00-0	STD. 7.5HP BLOWER 230V
	MOTOR STARTER CB 24-32FLA	216, 316	2-5016-023-00-0	OPT. 10HP BLOWER 230V
CB12,13	MOTOR STARTER CB 1-1.6FLA	120	2-5016-028-00-0	SUMP PUMP 3/4HP 460V
	MOTOR STARTER CB 1.6-2.4FLA	220	2-5016-026-00-0	SUMP PUMP 3/4HP 200V
	MOTOR STARTER CB 2.4-4FLA	320	2-5016-022-00-0	SUMP PUMP 3/4HP 230V
	MOTOR STARTER CB 4-6FLA	120,220,320	2-5016-018-00-0	SUMP PUMP 2HP 460V,300V,230V
FU19	FUSE 2P 10A(2-5020-040-00-0)	105	2-5018-112-00-0	TRANSFORMER PRIMARY 440V (UL)
CB19	CIRCUIT BREAKER 2P 10A	205	2-5009-317-02-0	TRANSFORMER PRIMARY 300V
FU19	FUSE 2P 15A(2-5020-107-00-0)	305	2-5018-112-00-0	TRANSFORMER PRIMARY 220V (UL)
CB20	CIRCUIT BREAKER 1P 10A	102,202,302	2-5009-317-01-0	TRANSFORMER SECONDARY 120V
CB21	CIRCUIT BREAKER 1P 6A	146,246,346	2-5009-313-01-0	POWER SUPPLY SECONDARY 24V
CB23	CIRCUIT BREAKER 2P 10A	546	2-5009-317-02-0	300V W/CHEMICAL INJECTION
CB24	CIRCUIT BREAKER 1P 10A	543	2-5009-317-01-0	300V W/CHEMICAL INJECTION
CB22	CIRCUIT BREAKER 1P 3A	465	2-5009-307-01-0	MSC1 PRIMARY
CON1	CONTACTOR 00A 3POLE 120V COIL	123,223,452	2-5006-156-00-0	460-300V
	CONTACTOR 160A 3POLE 120V COIL	323,452	2-5006-163-00-0	230V
CON7,8	CONTACTOR A16 3POLE 120V COIL	108,112,451,454	2-5006-158-00-0	STD 7.5HP WASH / RINSE 460V,300V
	CONTACTOR A26 3POLE 120V COIL	207,211,451,454	2-5006-159-00-0	STD. 7.5HP WASH / RINSE 230V
	CONTACTOR A16 3POLE 120V COIL	308,451,454	2-5006-158-00-0	OPT. 10HP WASH/RINSE 460V,300V
	CONTACTOR A26 3POLE 120V COIL	108,451,454	2-5006-159-00-0	OPT. 10HP WASH/RINSE 230V
	CONTACTOR A26 3POLE 120V COIL	207,451	2-5006-159-00-0	OPT. 15HP WASH 300V 50HZ
CON9	CONTACTOR A16 3POLE 120V COIL	116,450	2-5006-158-00-0	STD 7.5HP, 10HP BLOWER 460V, 300V
	CONTACTOR A16 3POLE 120V COIL	216,450	2-5006-159-00-0	STD 7.5HP BLOWER 230V
	CONTACTOR A30 3POLE 120V COIL	316,450	2-5006-160-00-0	OPT. 10HP BLOWER 230V
CON12,13	CONTACTOR A9 3POLE 120V COIL	120,660	2-5006-153-00-0	SUMP PUMP 1 AND 2
CR1	RELAY 24V COIL 2P 10AMP	404,443,619,621	520119-01	WASH PUMP
	RELAY BASE FOR 2P RELAYS		527186-01	
CR2	RELAY 24V COIL 2P 10AMP	407,446,619,621	520119-01	RINSE PUMP
	RELAY BASE FOR 2P RELAYS		527186-01	
CR3	RELAY 24V COIL 1P 10AMP	470,627	2-5004-298-00-0	CONVEYOR DRIVE HIGH
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR4	RELAY 24V COIL 1P 10AMP	470,625	2-5004-298-00-0	CONVEYOR DRIVE LOW
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR5	RELAY 24V COIL 4P 10AMP	613,619	2-5004-253-00-0	WASH LOW LEVEL
	RELAY BASE FOR 4P RELAYS		2-5004-253-02-0	
CR6	RELAY 24V COIL 1P 10AMP	613,619	2-5004-298-00-0	PURGE DRAIN
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR7	RELAY 24V COIL 4P 10AMP	171,516,615,621	2-5004-253-00-0	RINSE LOW LEVEL
	RELAY BASE FOR 4P RELAYS		2-5004-253-02-0	
CR8	RELAY 24V COIL 1P 10AMP	413,631	2-5004-298-00-0	RINSE CHAMBER DRAIN
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR9	RELAY 24V COIL 2P 10AMP	426,662	520119-01	WASH FILL
	RELAY BASE FOR 2P RELAYS		527186-01	
CR10	RELAY 24V COIL 2P 10AMP	429,664	520119-01	RINSE FILL
	RELAY BASE FOR 2P RELAYS		527186-01	
CR11	RELAY 24V COIL 2P 10AMP	426,501	520119-01	WASH HIGH LEVEL
	RELAY BASE FOR 2P RELAYS		527186-01	
CR12	RELAY 24V COIL 1P 10AMP	449,623	2-5004-298-00-0	BLOWER
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR13	RELAY 24V COIL 2P 10AMP	429,510	520119-01	RINSE HIGH LEVEL
	RELAY BASE FOR 2P RELAYS		527186-01	
CR14	RELAY 24V COIL 1P 10AMP	410,629	2-5004-298-00-0	WASH CHAMBER DRAIN
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR15	RELAY 24V COIL 3P 10AMP	100,200,300,525	2-5004-299-00-0	CHAMBER DOOR
	RELAY BASE FOR 3P RELAYS		2-5004-299-01-0	
CR16	RELAY 24V COIL 1P 10AMP	416,633	2-5004-298-00-0	PRESSURE CONTROL VALVE
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	

COMPONENT LIST				
PART	DESCRIPTION	REFERENCE	PART NUMBER	OPTION
CR19	RELAY 24V COIL 1P 10AMP	666	2-5004-298-00-0	WASH TANK DRAIN
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR20	RELAY 24V COIL 1P 10AMP	668	2-5004-298-00-0	RINSE TANK DRAIN
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR21	RELAY 24V COIL 1P 10AMP	148,176	2-5004-298-00-0	FINAL RINSE
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR22	RELAY 24V COIL 1P 10AMP	148,176	2-5004-298-00-0	INDEPENDENT HIGH TEMP ALARM
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR23	RELAY 24V COIL 1P 10AMP	148,176	2-5004-298-00-0	HOME LIMIT SWITCH
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR24	RELAY 24V COIL 1P 10AMP	148,176	2-5004-298-00-0	WATER PURGE
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR25	RELAY 24V COIL 1P 10AMP	148,176	2-5004-298-00-0	SUMP 1 HIGH LEVEL
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR26	RELAY 24V COIL 1P 10AMP	148,176	2-5004-298-00-0	SUMP 2 HIGH LEVEL
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR27	RELAY 24V COIL 1P 10AMP	148,176	2-5004-298-00-0	SUMP 1
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR28	RELAY 24V COIL 1P 10AMP	148,176	2-5004-298-00-0	SUMP 2
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR29	RELAY 24V COIL 1P 10AMP	148,176	2-5004-298-00-0	WASH PIPE DRAIN
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CR30/CR31	RELAY 24V COIL 1P 10AMP	148,176,532,852	2-5004-298-00-0	RINSE PIPE DRAIN / WASH PUMP FILTER
	RELAY BASE FOR 1P RELAYS		2-5004-298-01-0	
CRM1	RELAY 24V COIL 3P 10AMP	148,176	2-5004-299-00-0	E-STOP
	RELAY BASE FOR 3P RELAYS		2-5004-299-01-0	
DISC1	MAIN DISCONNECT SWITCH	102,202,302	2-5008-575-00-0	LESS THAN 80 AMPS
	MAIN DISCONNECT SWITCH	102,202,302	2-5008-576-00-0	MORE THAN 80 AMPS
FS1,2,9	SIDE MOUNT FLOAT SWITCH POLY	501,503,506	511681-01	WASH TANK FLOAT SWITCHES
	SIDE MOUNT FLOAT SWITCH 316SS	501,503,506	2-5008-473-00-0	
FS3,4,8	SIDE MOUNT FLOAT SWITCH POLY	509,512,515	511681-01	RINSE TANK FLOAT SWITCHES
	SIDE MOUNT FLOAT SWITCH 316SS	509,512,515	2-5008-473-00-0	
GND	GROUND BLOCK	101,201,301	2-5019-256-00-0	460V, 300V, 230V
HTRI,1,2,3,4	10KW IMMERSION HEATER	125,129,133,138	2-5002-454-00-0	460V
	10KW IMMERSION HEATER	325,329,333,338	2-5002-455-00-0	300V, 230V
KSI	4 POSITION KEY SWITCH	641	2-5008-541-00-0	KEYSWITCH PASSWORD PROTECTION OPTION
LS1	PROX. SWITCH	672	2-5008-568-00-0	HOME LIMIT SWITCH
LT1	RED, YELLOW, GREEN LIGHT TOWER	743	2-5012-143-00-0	
MCS1	DART SPEED CONTROLLER	460	2-5041-200-00-0	
MTRI,2	3HP NPE/25T	109,112	2-8018-274-00-0	STANDARD 3HP WASH/RINSE PUMP
	7.5HP SST/45T		2-8018-277-00-0	OPT. 7.5HP HURRICANE WASH/RINSE PUMP
	10HP SST/45T		2-8018-280-00-0	OPT. 10HP HURRICANE WASH/RINSE PUMP
	15HP SST/45T		2-8018-271-00-0	OPT. 15HP DELTA WASH/RINSE PUMP
MTR3	BLOWER 7.5HP SONIC	116	2-5001-416-00-0	STANDARD DRYER BLOWER
	BLOWER 7.5HP SONIC		2-5001-417-00-0	STANDARD DRYER BLOWER 300V 50HZ
	BLOWER 10HP SONIC		2-5001-418-00-0	OPT. 10HP DRYER BLOWER
	BLOWER 10HP SONIC		2-5001-419-00-0	OPT. 10HP DRYER BLOWER 300V 50HZ
MTR4	CONVEYOR DRIVE MOTOR	475	2-5001-430-00-0	1/4HP RIGHT ANGLE GEARMOTOR
MTR5	ELECTRICAL BOX COOLING FAN	456	503115-01	
	COOLING FAN CABLE		2-5037-044-01-0	
	COOLING FAN COVER		520726-01	
MTR6,7	3/4 HP	120	2-8018-126-00-0	OPTIONAL SUMP PUMP
	3/4 HP	120	2-8018-127-00-0	OPTIONAL SUMP PUMP 300V 50HZ
	2 HP	120	2-8018-128-00-0	OPTIONAL SUMP PUMP
MTR8	DRUM PUMP	429	2-8018-206-00-0	OPTIONAL DRUM PUMP

				DRAWN	DATE	DRAWING TITLE	
H	PCO E0052951	GBG	06/27/04	STEVE FOUMAL	05/17/02	AQUAJET	
D	SEE PAGE 10	SF	04/08/03	CHECKED	DATE	SCHEMATIC	
C	PCO E0040234	SF	03/11/03	APPROVED	DATE	COMPONENT CHART	
B	PCO E0047861	SF	02/10/03				
A	PRODUCTION RELEASE	SF	05/17/02	DO NOT SCALE DRAWING		BUYER/PLANNER XX	PAGE 12 OF 13
NO.	REVISION	INI	DATE				
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