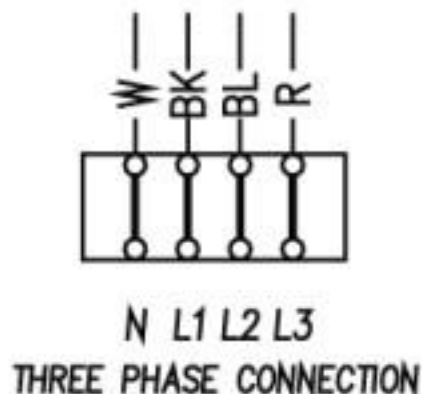
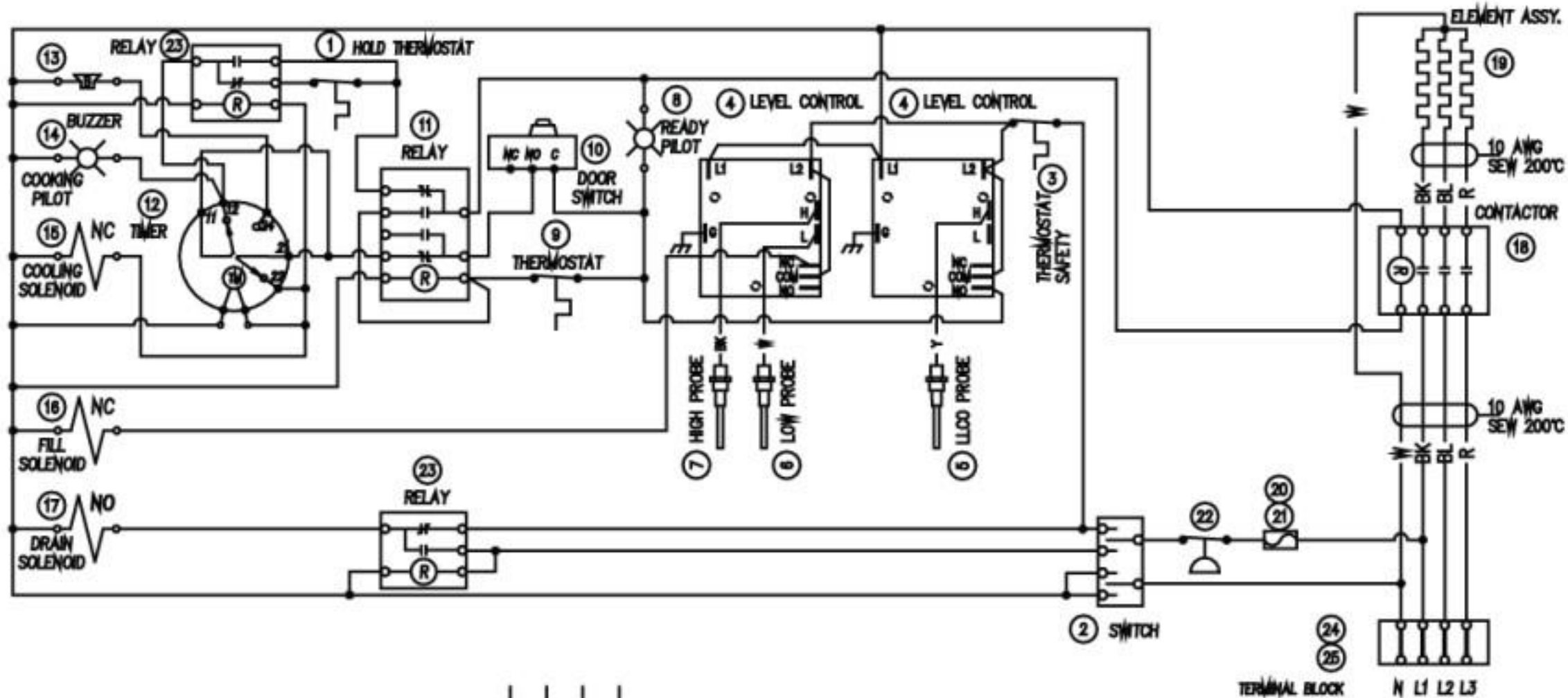




CONTROL CIRCUIT WIRE: 16 AWG SEW 200°C
LOAD CIRCUIT WIRE: 10 AWG SEW 200°C

ITEM	DESCRIPTION	PART NO.	QTY
1	HOLD THERMOSTAT	08-6588	1
2	SWITCH, ON/OFF/DELIME	97-6272	1
3	THERMOSTAT, HIGH LIMIT SAFETY	97-6278	1
4	LEVEL CONTROL, 1M OHM	97-6277	1
5	PROBE, LOW LEVEL CUT-OFF	97-6324	1
6	PROBE, LOW LEVEL	97-6325	1
7	PROBE, HIGH LEVEL	97-6326	1
8	READY PILOT, GREEN	97-6270	1
9	THERMOSTAT, OPERATING	99-5048	1
10	DOOR SWITCH	97-6191	1
11	RELAY, DPDT	97-6280	1
12	TIMER	08-6621	1
13	BUZZER	97-6307	1
14	COOKING PILOT, RED	97-6271	1
15	COOLING SOLENOID VALVE	97-6285	1
16	FILL SOLENOID VALVE	97-6308	1
17	BLOW-DOWN VALVE	97-6283	1
18	CONTACTOR, 208V-240V	97-5609	1
*19	ELEMENT ASSEMBLY	SEE BELOW	1

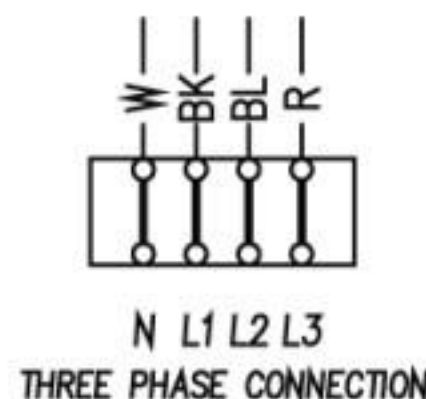
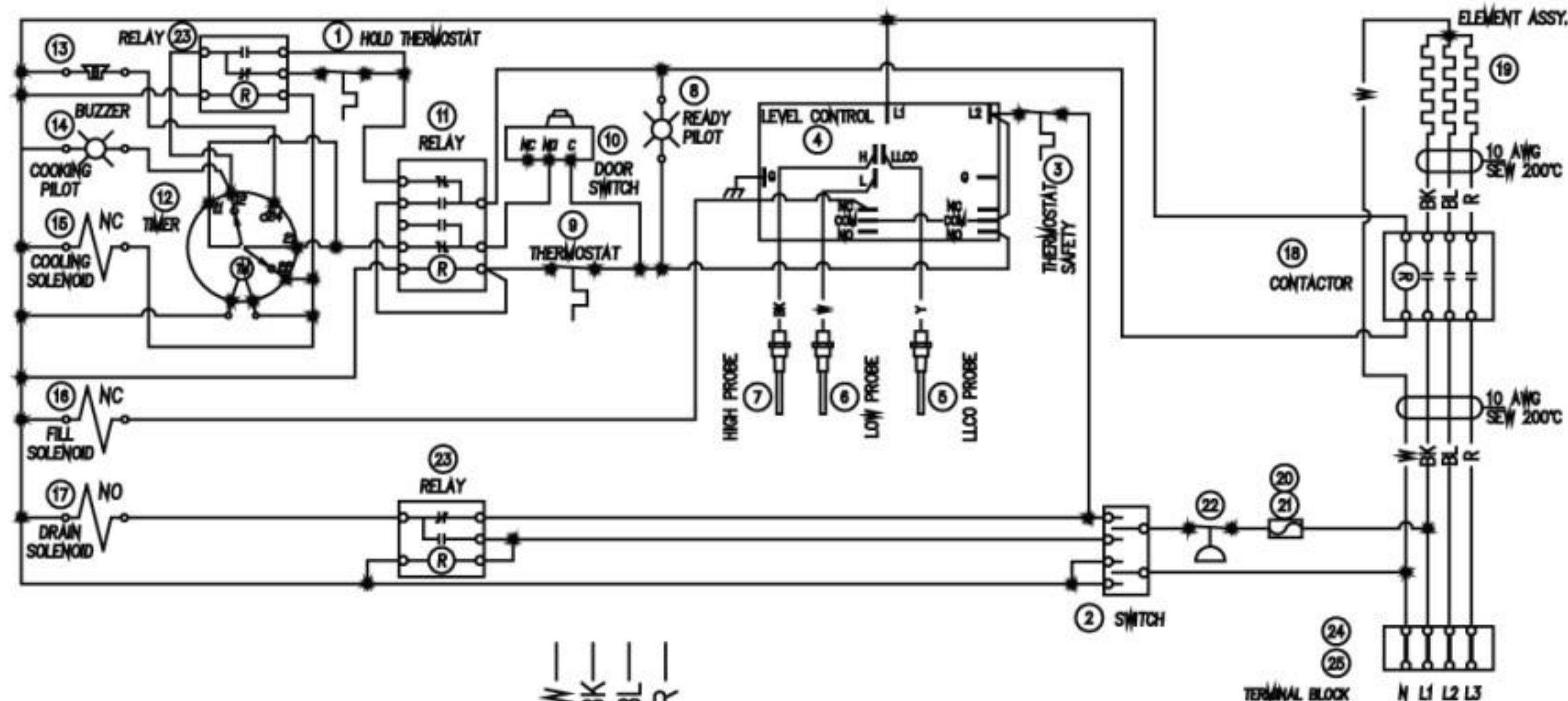
Volts [Elmt.V]	kW	Amperes		Part No.
		1 Phase	3 Phase	
220/380 [220]	7.5	-	11.4	97-6653
	10	-	15.2	97-6310
	12	-	31.5	97-7151
240/415 [240]	7.5	-	10.4	97-6359
	10	-	14.0	97-6311
	12	-	28.9	97-6654

20	FUSE, 2A, 250V	98-6188	1
21	FUSE HOLDER	98-6187	1
22	PRESSURE SWITCH, 5PSI	97-6347	1
23	RELAY, SPDT	97-6279	2
*24	TERMINAL BLOCK WHITE	10-6962	4
	TERMINAL BLOCK BLACK	10-6963	4
*25	TERMINAL BLOCK END	98-6186	1
	TERMINAL BLOCK END, BLACK	10-6962	1

* SELECT AS REQUIRED FOR VOLTAGE, KW OR MODEL.

SYM	DATE	REV/EDM	BY
A	12-18-12	REDRAWN FROM CROWN DWG. SE-79150, CONVERTED PART NOS. TO MF NOS. EDN 11041	AJD

USED ON		TOLERANCES UNLESS OTHERWISE SPECIFIED		DE-BURNING - MARKET FORCE SPECIFICATIONS/127		CALL FOR INSPECTION UPON RECEIPT				
XX-XXXX				CLASS I ☐	CLASS II ☐			CLASS III ☐		
		FRACTIONS	± 1/16	 MARKET FORGE INDUSTRIES, INC.		EVERETT, MA. 02149				
		.0	- ± .032							
		.00	- ± .015	CIRCUIT DIAGRAM FOR MPS-3E & MPS-6E STEAMERS WITH R.O. CONTROLS, 220/380V. 240/415V. 4 WIRES						
		.000	- ± .005							
		ANGLES	- + 1°	DRAWN	AJD	CHECKED	END. APP.	B	DRAWING NO. 97-4005	REV. A
				DATE	12/18/12	SCALE	-			



CONTROL CIRCUIT WIRE: 16 AWG SEW 200°C
LOAD CIRCUIT WIRE: 10 AWG SEW 200°C

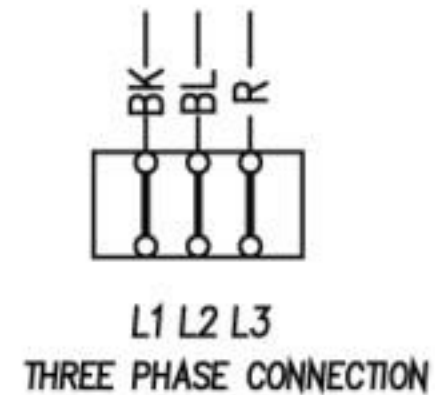
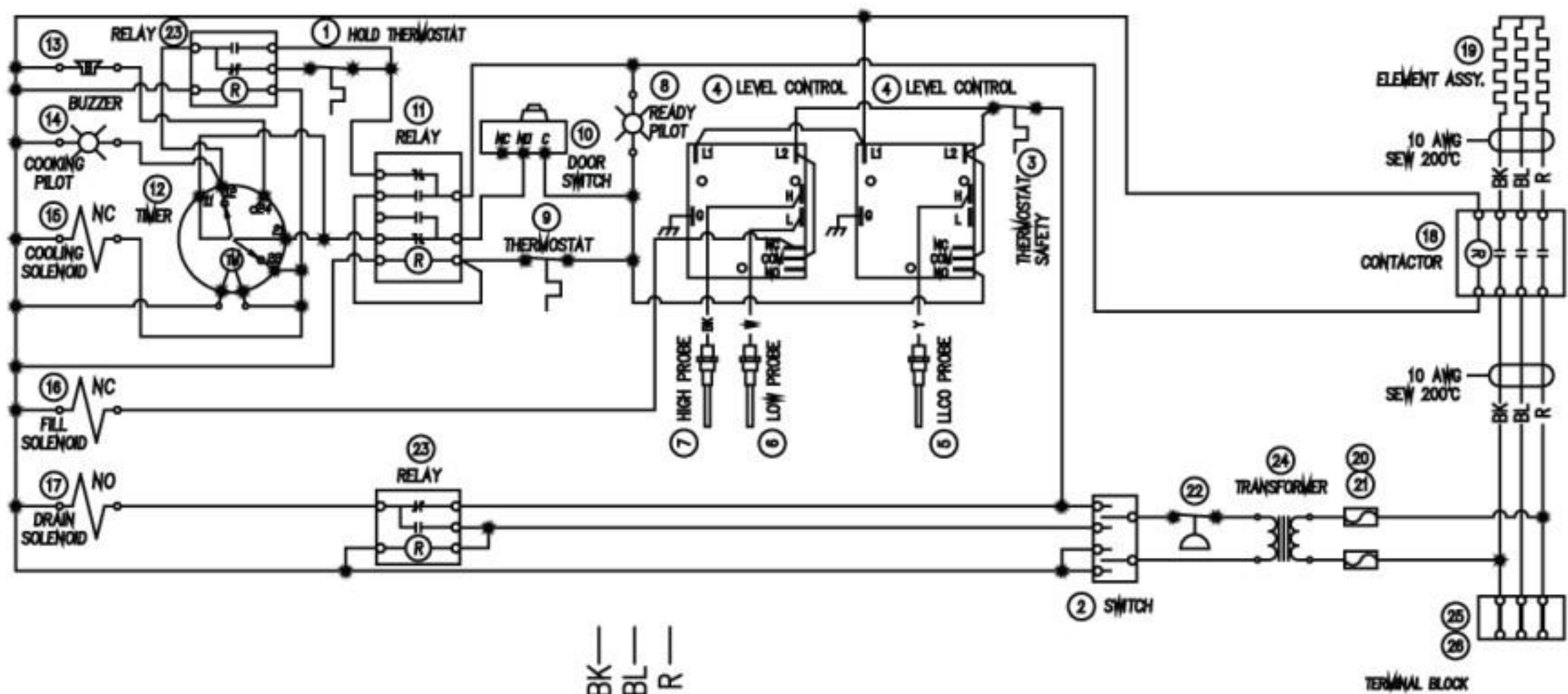
ITEM	DESCRIPTION		PART NO.	QTY	
1	HOLD THERMOSTAT		08-6588	1	
2	SWITCH, ON/OFF/DELIME		97-6272	1	
3	THERMOSTAT, HIGH LIMIT SAFETY		97-6278	1	
4	LEVEL CONTROL, 10K OHM		97-6276	1	
5	PROBE, LOW LEVEL CUT-OFF		97-6324	1	
6	PROBE, LOW LEVEL		97-6325	1	
7	PROBE, HIGH LEVEL		97-6326	1	
8	READY PILOT, GREEN		97-6270	1	
9	THERMOSTAT, OPERATING		97-5048	1	
10	DOOR SWITCH		97-6191	1	
11	RELAY, DPDT		97-6280	1	
12	TIMER		08-6621	1	
13	BUZZER		97-6307	1	
14	COOKING PILOT, RED		97-6271	1	
15	COOLING SOLENOID VALVE, 7.5/10kW		97-6285	1	
16	FILL SOLENOID VALVE		97-6308	1	
17	BLOW-DOWN VALVE		97-6283	1	
18	CONTACTOR, 208V-240V		97-5609	1	
*19	ELEMENT ASSEMBLY		SEE BELOW	1	
	Volts [Elmt.V]	kW	Amperes		Part No.
			1 Phase	3 Phase	
	220/380 [220]	7.5	-	11.4	97-6653
		10	-	15.2	97-6310
		12	-	31.5	97-7151
	240/415 [240]	7.5	-	10.4	97-6359
		10	-	14.0	97-6311
		12	-	28.9	97-6967
	20	FUSE, 2A, 250V		97-6186	1
21	FUSE HOLDER		97-5864	1	
22	PRESSURE SWITCH, 5PSI		97-6347	1	
23	RELAY, SPDT		97-6279	2	
*24	TERMINAL BLOCK WHITE		10-6962	4	
	TERMINAL BLOCK BLACK		10-6963	4	
*25	TERMINAL BLOCK END, WHITE		98-6186	1	
	TERMINAL BLOCK END, BLACK		97-6962	1	

* SELECT AS REQUIRED FOR VOLTAGE, KW OR MODEL.

SYM	DATE	REV	EDM#	BY
A	12-18-12	1		AJD

USED ON		TOLERANCES UNLESS OTHERWISE SPECIFIED	
XX-XXXX		FRACTIONS	± 1/16
		.0	± .032
		.00	± .015
		.000	± .005
		ANGLES	+ 1°

DE-BORING - MARKET FORCE SPECIFICATIONS/127			CALL FOR INSPECTION UPON RECEIPT		
CLASS I ☐ CLASS II ☐ CLASS III ☐					
 MARKET FORCE INDUSTRIES, INC.			EVERETT, MA. 02149		
CIRCUIT DIAGRAM FOR MPS-3E & MPS-6E STEAMERS WITH 10K OHM LEVEL CONTROL, 220/380V, 240/415V, 4 WIRE					
DRAWN	AJD	CHECKED	ENG. APP.	B	DRAWING NO. 97-4004
DATE	12/18/12	SCALE	MFG. APP.		
			A		



CONTROL CIRCUIT WIRE: 16 AWG SEW 200°C
 LOAD CIRCUIT WIRE: 10 AWG SEW 200°C

ITEM	DESCRIPTION	PART NO.	QTY
1	HOLD THERMOSTAT	08-6588	1
2	SWITCH, ON/OFF/DELIME	97-6272	1
3	THERMOSTAT, HIGH LIMIT SAFETY	97-6278	1
4	LEVEL CONTROL, 1M OHM	97-6277	2
5	PROBE, LOW LEVEL CUT-OFF	97-6324	1
6	PROBE, LOW LEVEL	97-6325	1
7	PROBE, HIGH LEVEL	97-6326	1
8	READY PILOT, GREEN	97-6270	1
9	THERMOSTAT, OPERATING	97-5048	1
10	DOOR SWITCH	97-6191	1
11	RELAY, DPDT	97-6280	1
12	TIMER	08-6621	1
13	BUZZER	97-6307	1
14	COOKING PILOT, RED	97-6271	1
15	COOLING SOLENOID VALVE	97-6285	1
16	FILL SOLENOID VALVE	97-6308	1
17	BLOW-DOWN VALVE	97-6283	1
18	CONTACTOR, 208V-240V	97-6609	1
*19	ELEMENT ASSEMBLY	SEE BELOW	1

Volts [Bmt V]	kW	Amperes		Part No.
		1 Phase	3 Phase	
380 [220]	7.5	-	11.4	97-6653
	10	-	15.2	97-6310
	12	-	18.2	97-7151
415 [240]	7.5	-	10.4	97-6359
	10	-	14.0	97-6311
	12	-	16.7	97-6967
480 [277]	7.5	-	9.0	97-6654
	10	-	12.1	97-6312
	12	-	14.4	97-7153
600 [347]	7.5	-	7.3	97-6655
	10	-	9.7	97-6313
	12	-	11.6	97-7153

20	FUSE, 1/2A, 600V	98-6188	2
21	FUSE HOLDER	98-6187	2
22	PRESSURE SWITCH, 6PSI	97-6347	1
23	RELAY, SPDT	97-6279	2
*24	TRANSFORMER, 380/415V-240V	97-6616	1
*24	TRANSFORMER, 480V-240V	97-6613	1
*24	TRANSFORMER, 600V-240V	97-6191	1
*25	TERMINAL BLOCK, WHITE	10-6962	3
	TERMINAL BLOCK, BLACK	97-6963	3
*26	TERMINAL BLOCK END, WHITE	98-6186	1
	TERMINAL BLOCK END, BLACK	10-6962	1

* SELECT AS REQUIRED FOR VOLTAGE, KW OR MODEL.

SYM	DATE	REV	EDM	BY
A	12-18-12			AJD

REDRAWN FROM CROWN DWG.
 SE-7812A, CONVERTED PART
 NOS. TO MF NOS. EGN 11041

USED ON		TOLERANCES UNLESS OTHERWISE SPECIFIED	
XX-XXXX		FRACTIONS	± 1/16
		.0	± .032
		.00	± .015
		.000	± .005
		ANGLES	+ 1°

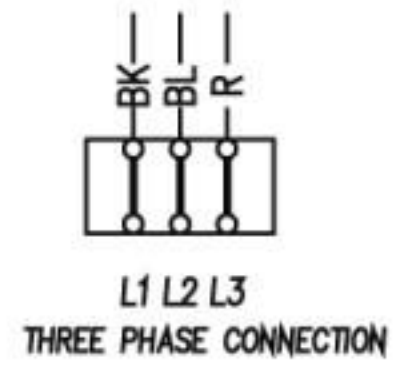
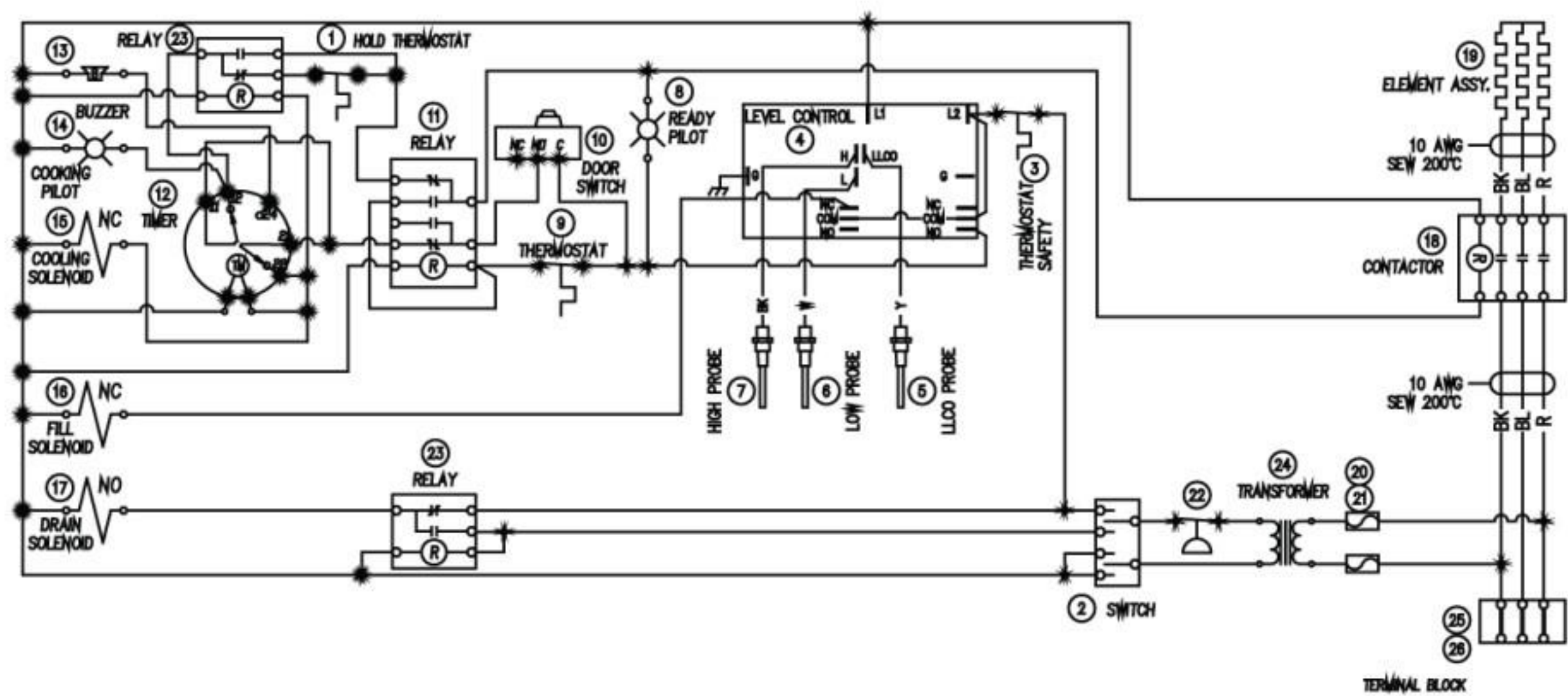
DE-BORING - MARKET FORGE SPECIFICATIONS 127
 CLASS 1 ☐ CLASS 2 ☐ CLASS 3 ☐

MARKET FORGE
 INDUSTRIAL INC.

CALL FOR INSPECTION UPON RECEIPT
 EVERETT, MA. 02149

CIRCUIT DIAGRAM FOR MPS-3E & MPS-6E STEAMERS
 380V, 415V, 480V & 600V, WITH R.O. CONTROLS

DRAWN AJD	CHECKED	ENG. APP.	B 97-4003 A
DATE 12/18/12	SCALE -	MFG. APP.	



CONTROL CIRCUIT WIRE: 16 AWG SEW 200°C
LOAD CIRCUIT WIRE: 10 AWG SEW 200°C

ITEM	DESCRIPTION	PART NO.	QTY
1	HOLD THERMOSTAT	08-6588	1
2	SWITCH, ON/OFF/DELIME	97-6272	1
3	THERMOSTAT, HIGH LIMIT SAFETY	97-6278	1
4	LEVEL CONTROL, 10K OHM	97-6276	1
5	PROBE, LOW LEVEL CUT-OFF	97-6324	1
6	PROBE, LOW LEVEL	97-6325	1
7	PROBE, HIGH LEVEL	97-6326	1
8	READY PILOT, GREEN	97-6270	1
9	THERMOSTAT, OPERATING	97-5048	1
10	DOOR SWITCH	97-6191	1
11	RELAY, DPDT	97-6280	1
12	TIMER	08-6621	1
13	BUZZER	97-6307	1
14	COOKING PILOT, RED	97-6271	1
15	COOLING SOLENOID VALVE, 7.5/10kW	97-6285	1
16	FILL SOLENOID VALVE	97-3808	1
17	BLOW-DOWN VALVE	97-6283	1
18	CONTACTOR, 208V-240V	97-5609	1
*19	ELEMENT ASSEMBLY	SEE BELOW	1

Volts (Bolt V)	kW	Amperes		Part No.
		1 Phase	3 Phase	
380 [220]	7.5	-	11.4	97-6653
	10	-	15.2	97-6310
	12	-	18.2	97-7151
415 [240]	7.5	-	10.4	97-6359
	10	-	14.0	97-6311
	12	-	16.7	97-6967
480 [277]	7.5	-	9.0	97-6654
	10	-	12.1	97-6312
	12	-	14.4	97-7158
600 [347]	7.5	-	7.3	97-6655
	10	-	9.7	97-6313
	12	-	11.6	97-7153

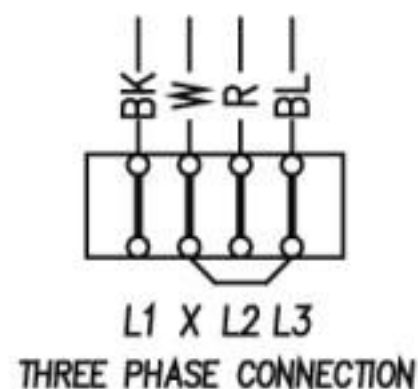
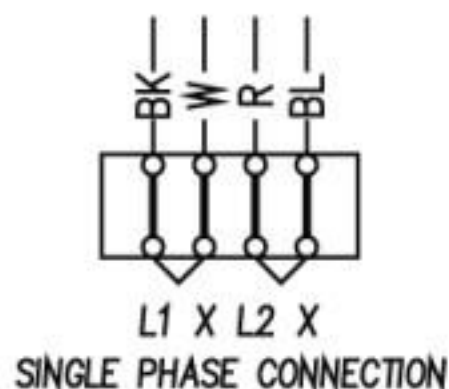
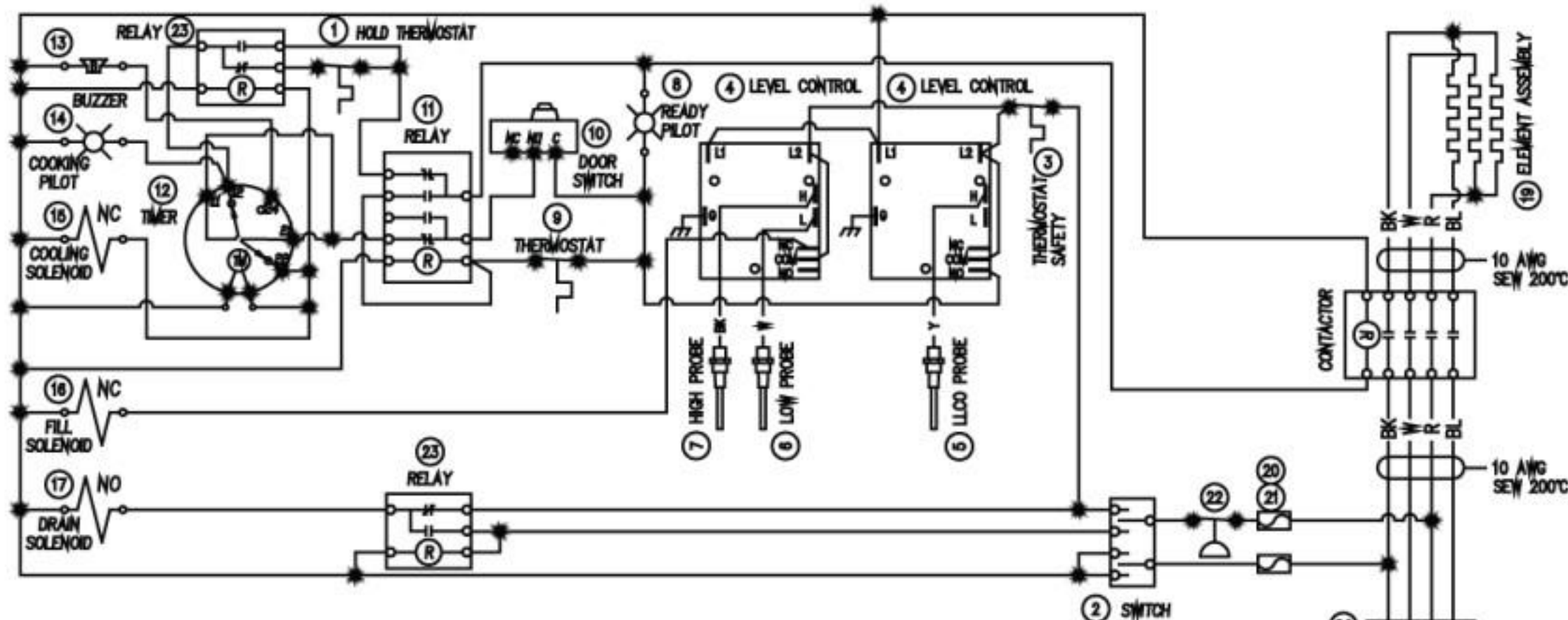
20	FUSE, 1/2 A, 600V	98-6188	2
21	FUSE HOLDER	98-6187	2
22	PRESSURE SWITCH, 5PSI	97-6347	1
23	RELAY, SPDT	97-6279	2
*24	TRANSFORMER, 380/415V-240V	97-5616	1
*24	TRANSFORMER, 480V-240V	97-5613	1
*24	TRANSFORMER, 600V-240V	97-6191	1
*25	TERMINAL BLOCK, WHITE	10-6962	3
	TERMINAL BLOCK, BLACK	10-6963	3
*26	TERMINAL BLOCK END, WHITE	98-6186	1
	TERMINAL BLOCK END, BLACK	10-6962	1

* SELECT AS REQUIRED FOR VOLTAGE, KW OR MODEL

SYM	DATE	REV	EDM	BY
A	12-18-12			AJD

REDRAWN FROM CROWN DWG. SE-78127, CONVERTED PART NOS. TO MF NOS. EGN 11041

USED ON XX-XXXX		TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS ± 1/16 .0 - ± .032 .00 - ± .015 .000 - ± .005 ANGLES - + 1°		DE-BURRING - MARKET FORCE SPECIFICATIONS/127 CLASS I ☐ CLASS II ☐ CLASS III ☐		CALL FOR INSPECTION UPON RECEIPT	
						EVERETT, MA. 02149	
CIRCUIT DIAGRAM FOR MPS-3E & MPS-6E STEAMERS 380V, 415V, 480V & 600V, WITH 10K OHM LEVEL CONTROL							
DRAWN AJD		CHECKED		ENG. APP.		DRAWING NO.	
DATE 12/18/12		SCALE -		MFG. APP.		B 97-4002	



CONTROL CIRCUIT WIRE: 16 AWG SEW 200°C
LOAD CIRCUIT WIRE: 10 AWG SEW 200°C

ITEM	DESCRIPTION	PART NO.	QTY
1	HOLD THERMOSTAT	08-6588	1
2	SWITCH, ON/OFF/DELIME	97-6272	1
3	THERMOSTAT, HIGH LIMIT SAFETY	97-6278	1
4	LEVEL CONTROL, 1M OHM	97-6200	2
5	PROBE, LOW LEVEL CUT-OFF	97-6324	1
6	PROBE, LOW LEVEL	97-6325	1
7	PROBE, HIGH LEVEL	97-6326	1
8	READY PILOT, GREEN	97-6270	1
9	THERMOSTAT, OPERATING	97-5048	1
10	DOOR SWITCH	97-6191	1
11	RELAY, DPDT	97-6280	1
12	TIMER	08-6621	1
13	BUZZER	97-6307	1
14	COOKING PILOT, RED	97-6271	1
15	COOLING SOLENOID VALVE	97-6285	1
16	FILL SOLENOID VALVE	97-6308	1
17	BLOW-DOWN VALVE	97-6283	1
18	CONTACTOR, 208V-240V	97-6189	1
*19	ELEMENT ASSEMBLY	SEE BELOW	1

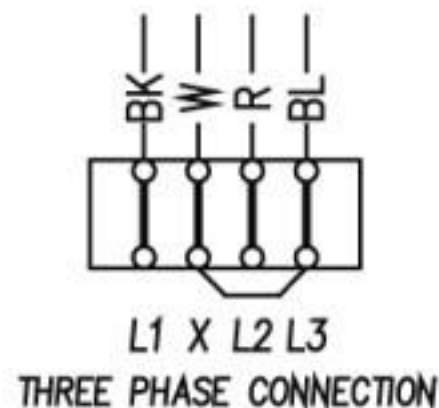
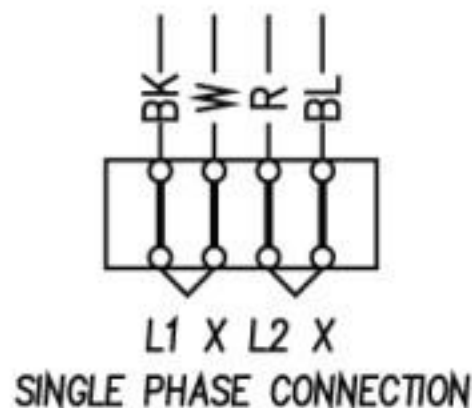
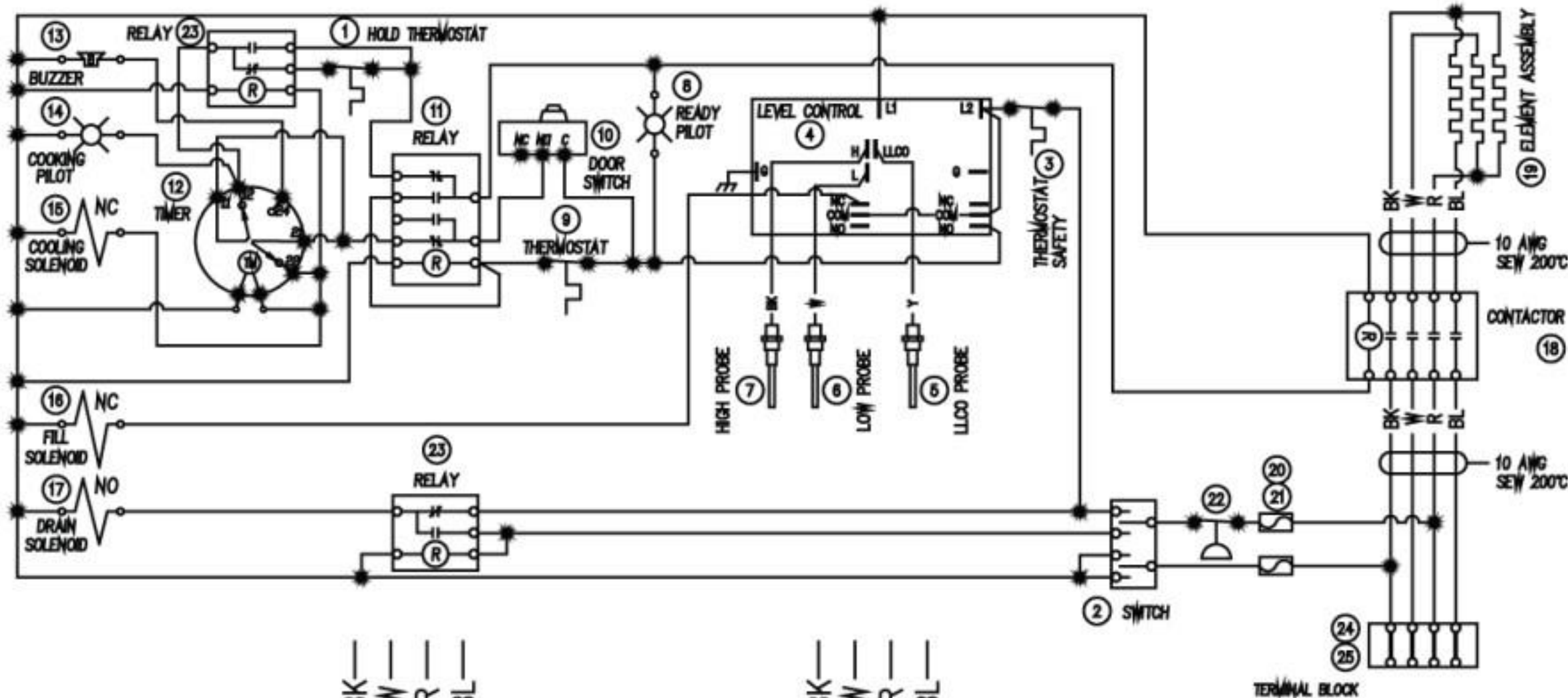
Volts	kW	Amperes		Part No.
		1 Phase	3 Phase	
208	7.5	36.1	20.9	97-6311
	10	48.1	27.8	97-6309
	12	57.7	33.3	97-7150
220	7.5	34.1	19.7	97-6653
	10	45.5	26.3	97-6310
	12	54.5	31.5	97-7151
240	7.5	31.3	18.1	97-6359
	10	41.7	24.1	97-6311
	12	50.0	28.9	97-6963

20	FUSE, 2A, 250V	97-6186	2
21	FUSE HOLDER	97-5864	2
22	PRESSURE SWITCH, 5PSI	97-6347	1
23	RELAY, SPDT	97-6279	2
*24	TERMINAL BLOCK, WHITE	10-6962	4
	TERMINAL BLOCK, BLACK	10-6963	4
*25	TERMINAL BLOCK END, WHITE	98-6186	1
	TERMINAL BLOCK END, BLACK	10-6962	1

* SELECT AS REQUIRED FOR VOLTAGE, KW OR MODEL

SYM	DATE	REV	EDM	BY
A	12-18-12	RE-75126, CONVERTED PART NOS. TO MF NOS. ECH 11041		AJD

USED ON		TOLERANCES UNLESS OTHERWISE SPECIFIED	DE-BURRING - MARKET FORGE SPECIFICATION 127		CALL FOR INSPECTION UPON RECEIPT	
XX-XXXX			CLASS I ☐ CLASS II ☐ CLASS III ☐			
		FRACTIONS $\pm 1/16$	MARKET FORGE EVERETT, MA. 02149			
		.0 $\pm .032$				
		.00 $\pm .015$				
		.000 $\pm .005$				
		ANGLES $\pm 1^\circ$	CIRCUIT DIAGRAM FOR MPS-3E & MPS-6E STEAMERS 208V, 220V & 240V, WITH R.O. CONTROLS			
DRAWN	AJD	CHECKED	ENG. APP.	DRAWING NO.	REV.	
DATE	12/18/12	SCALE	MFG. APP.	B	97-4001	A



CONTROL CIRCUIT WIRE: 16 AWG SEW 200°C
LOAD CIRCUIT WIRE: 10 AWG SEW 200°C

ITEM	DESCRIPTION	PART NO.	QTY
1	HOLD THERMOSTAT	08-6588	1
2	SWITCH, ON/OFF/DELIME	97-6272	1
3	THERMOSTAT, HIGH LIMIT SAFETY	97-6278	1
4	LEVEL CONTROL, 10K OHM	97-6276	1
5	PROBE, LOW LEVEL CUT-OFF	97-6324	1
6	PROBE, LOW LEVEL	97-6325	1
7	PROBE, HIGH LEVEL	97-6326	1
8	READY PILOT, GREEN	97-6270	1
9	THERMOSTAT, OPERATING	97-5048	1
10	DOOR SWITCH	97-6191	1
11	RELAY, DPDT	97-6280	1
12	TIMER WITH CONTINUOUS COOK	08-6621	1
13	BUZZER	97-6307	1
14	COOKING PILOT, RED	97-6271	1
15	COOLING SOLENOID VALVE	97-6285	1
16	FILL SOLENOID VALVE	97-6308	1
17	BLOW-DOWN VALVE	97-6283	1
18	CONTACTOR, 208V-240V	97-6189	1
*19	ELEMENT ASSEMBLY	SEE BELOW	1

Volts	kW	Amperes		Part No.	QTY
		1 Phase	3 Phase		
208	7.5	36.1	20.9	97-6311	1
	10	48.1	27.8	97-6309	1
	12	57.7	33.3	97-7150	1
220	7.5	34.1	19.7	97-6653	1
	10	45.5	26.3	97-6310	1
	12	54.5	31.5	97-7151	1
240	7.5	31.3	18.1	97-6359	1
	10	41.7	24.1	97-6311	1
	12	50.0	28.9	97-6963	1

20	FUSE, 2A, 250V	97-6186	2
21	FUSE HOLDER	97-5864	2
22	PRESSURE SWITCH, 5PSI	97-6347	1
23	RELAY, SPDT	97-6279	2
*24	TERMINAL BLOCK, WHITE	10-6962	4
	TERMINAL BLOCK, BLACK	10-6963	4
*25	TERMINAL BLOCK END, WHITE	98-6186	1
	TERMINAL BLOCK END, BLACK	10-6962	1

* SELECT AS REQUIRED FOR VOLTAGE, KW OR MODEL.

SYM	DATE	REV\EDM#	BY
A	12-18-12	12-18-12	AJD

REDESIGNED FROM CROWN DIV. 3E-75125, CONVERTED PART NOS. TO MF NOS. EDN 11041

USED ON		TOLERANCES UNLESS OTHERWISE SPECIFIED	
XX-XXXX		FRACTIONS	± 1/16
		.0	± .032
		.00	± .015
		.000	± .005
		ANGLES	+ 1°

DE-BURRING - MARKET FORGE SPECIFICATIONS 127		CLASS 1 ☐ CLASS II ☐ CLASS III ☐		CALL FOR INSPECTION UPON RECEIPT	
MARKET FORGE		EVERETT, MA. 02149			
CIRCUIT DIAGRAM FOR MPS-3E & MPS-6E STEAMERS 208V, 220V & 240V, WITH 10K OHM LEVEL CONTROL					
DRAWN	AJD	CHECKED		ENG. APP.	
DATE	12/18/12	SCALE	-	MFG. APP.	
				B	97-4000 A