



MARKET FORGE

A SERIES PRESSURE STEAM COOKERS PARTS AND SERVICE MANUAL

EFFECTIVE AUGUST 13, 2014

Superseding All Previous Parts Lists.

The Company reserves the right to make substitution in the event that items specified are not available.

ERRORS: Descriptive and/or typographic errors are subject to correction.

MARKET FORGE

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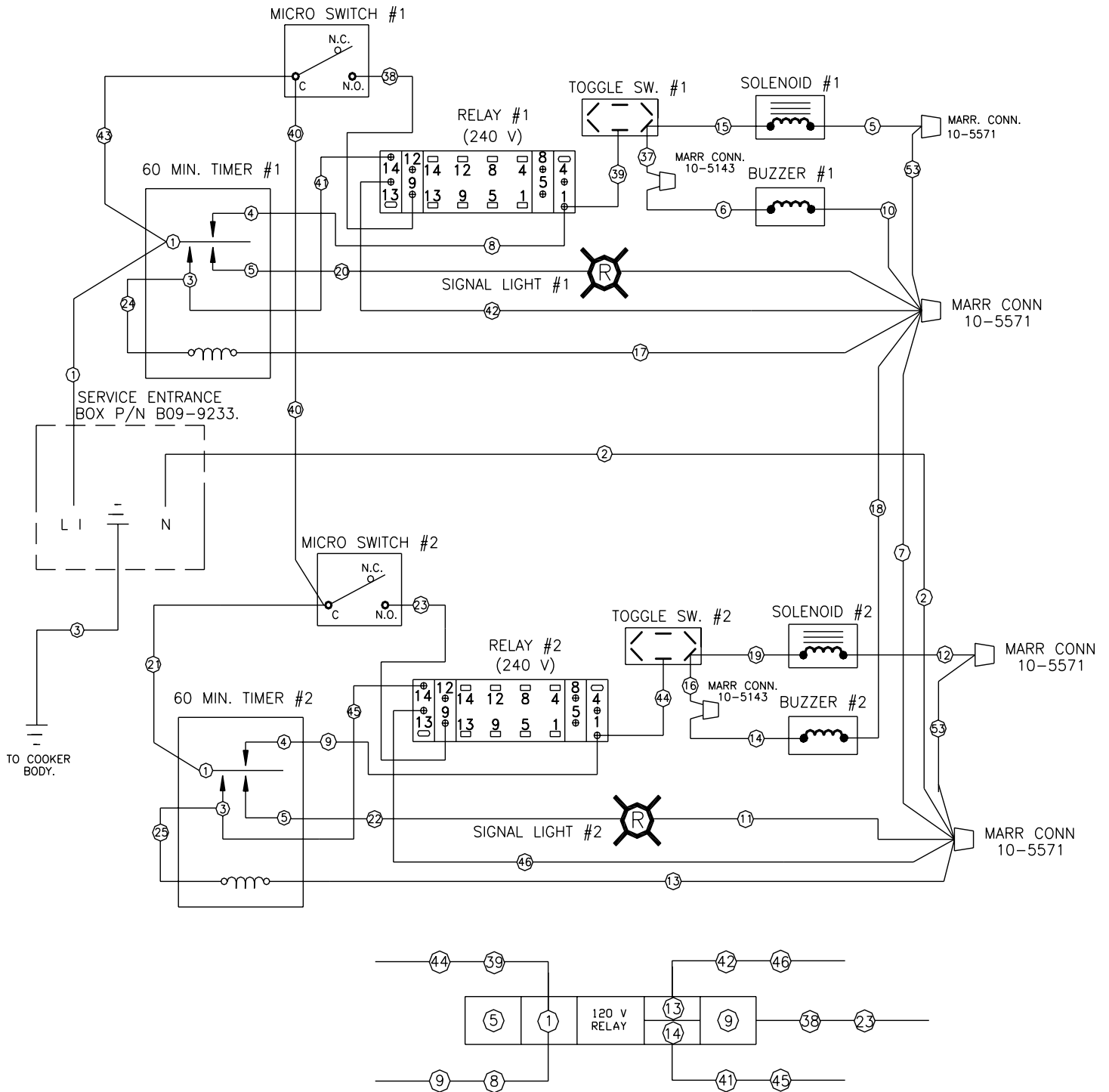
P/N 14-0298 Rev A (8/14)

TABLE OF CONTENTS

WIRING DIAGRAMS	3
ILLUSTRATED PART LIST	
MAIN ASSEMBLY AND CONTROLS	9
DOOR ASSEMBLY	15
HEADER, STEAM AND EXHAUST ASSEMBLY	16

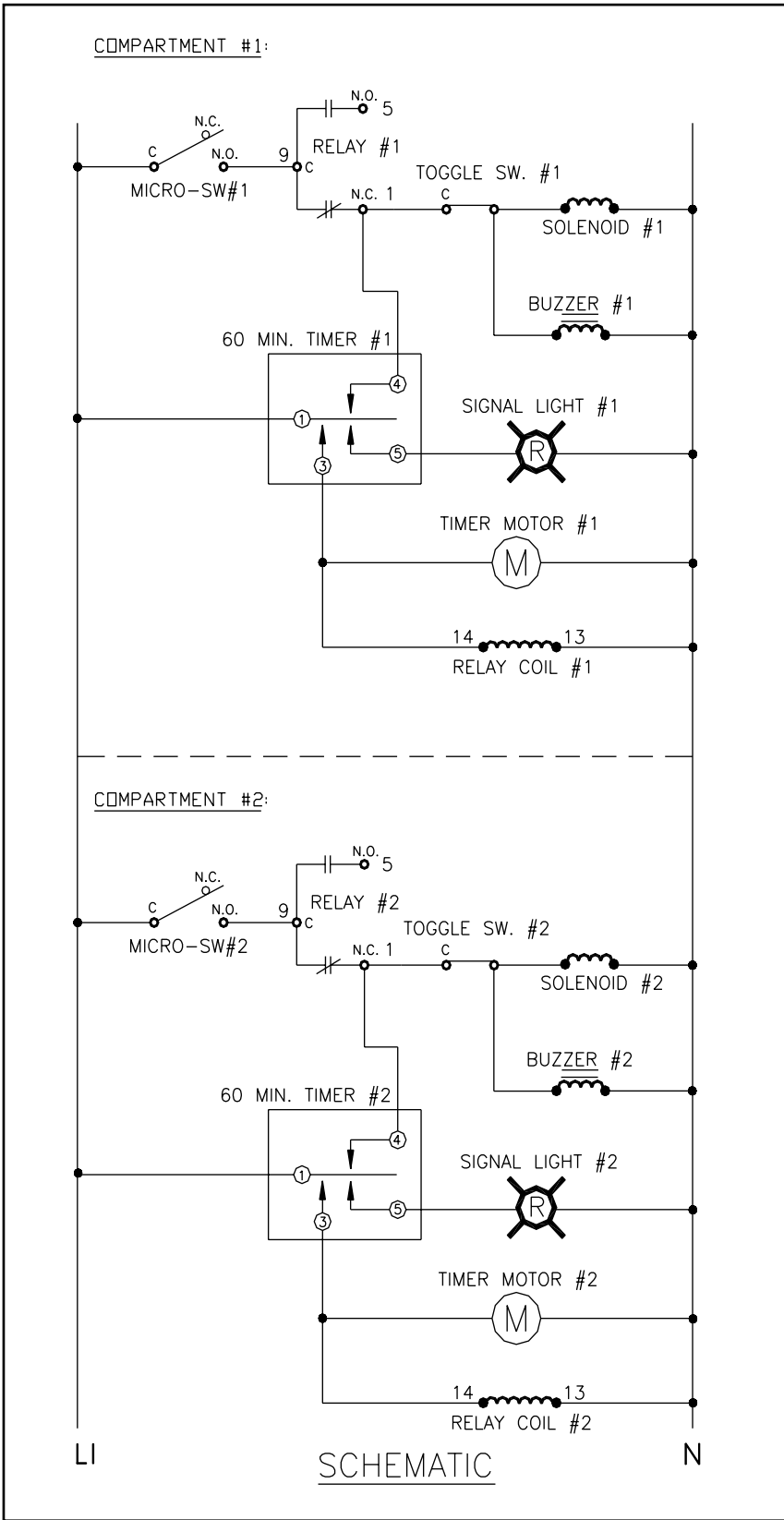
WIRING DIAGRAMS

2A WIRING



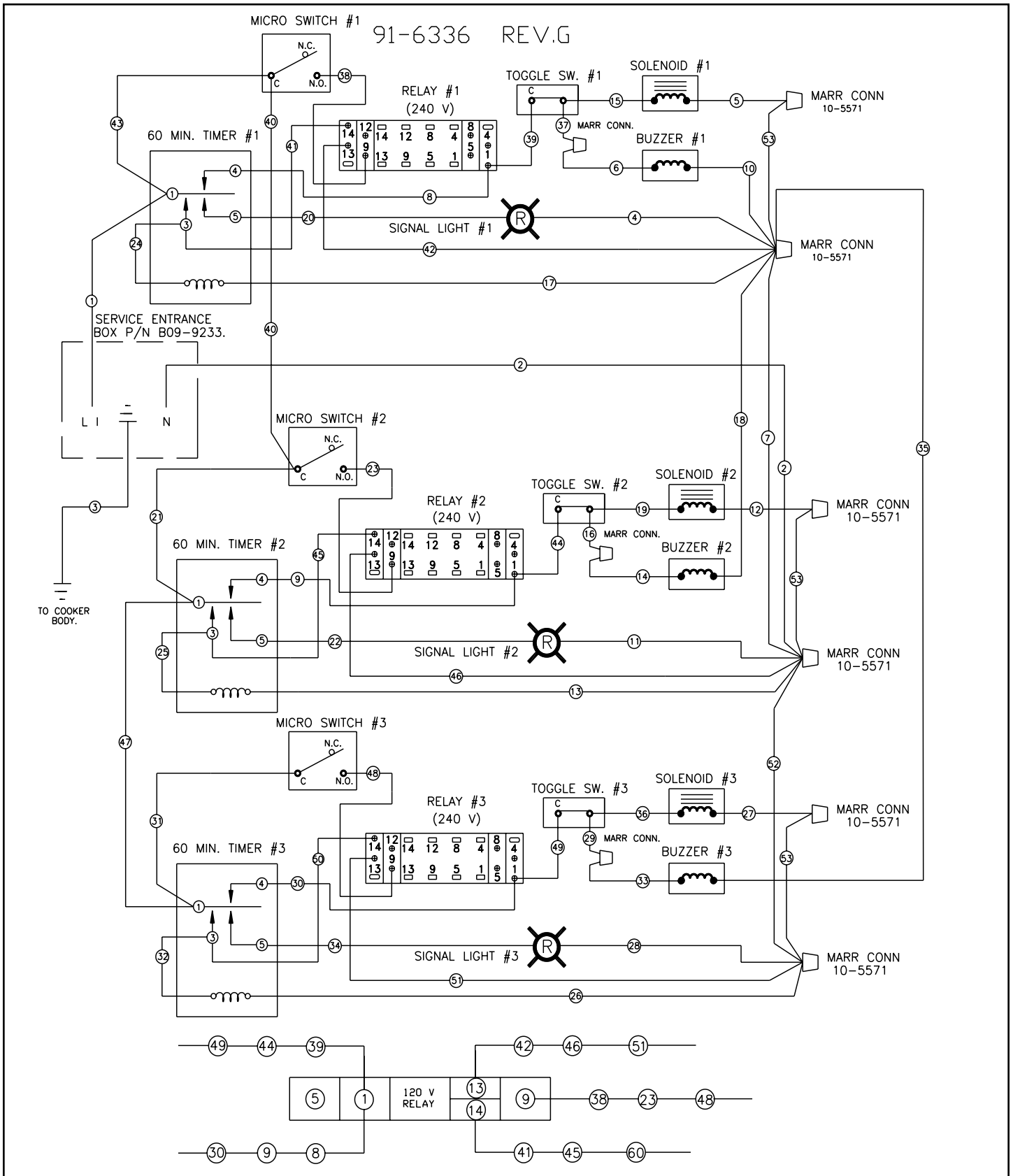
WIRING DIAGRAMS

2A SCHEMATIC



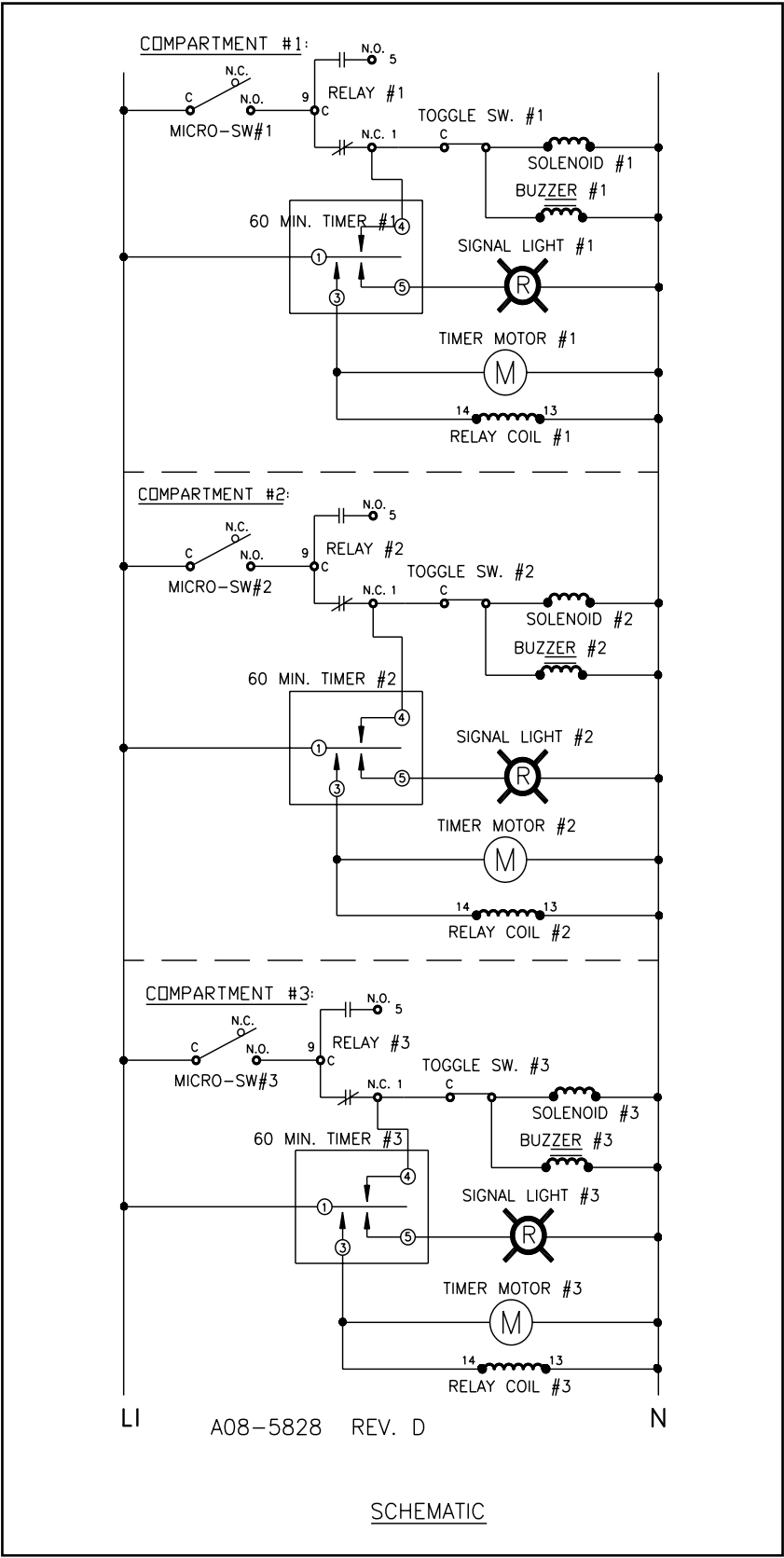
WIRING DIAGRAMS

3A WIRING



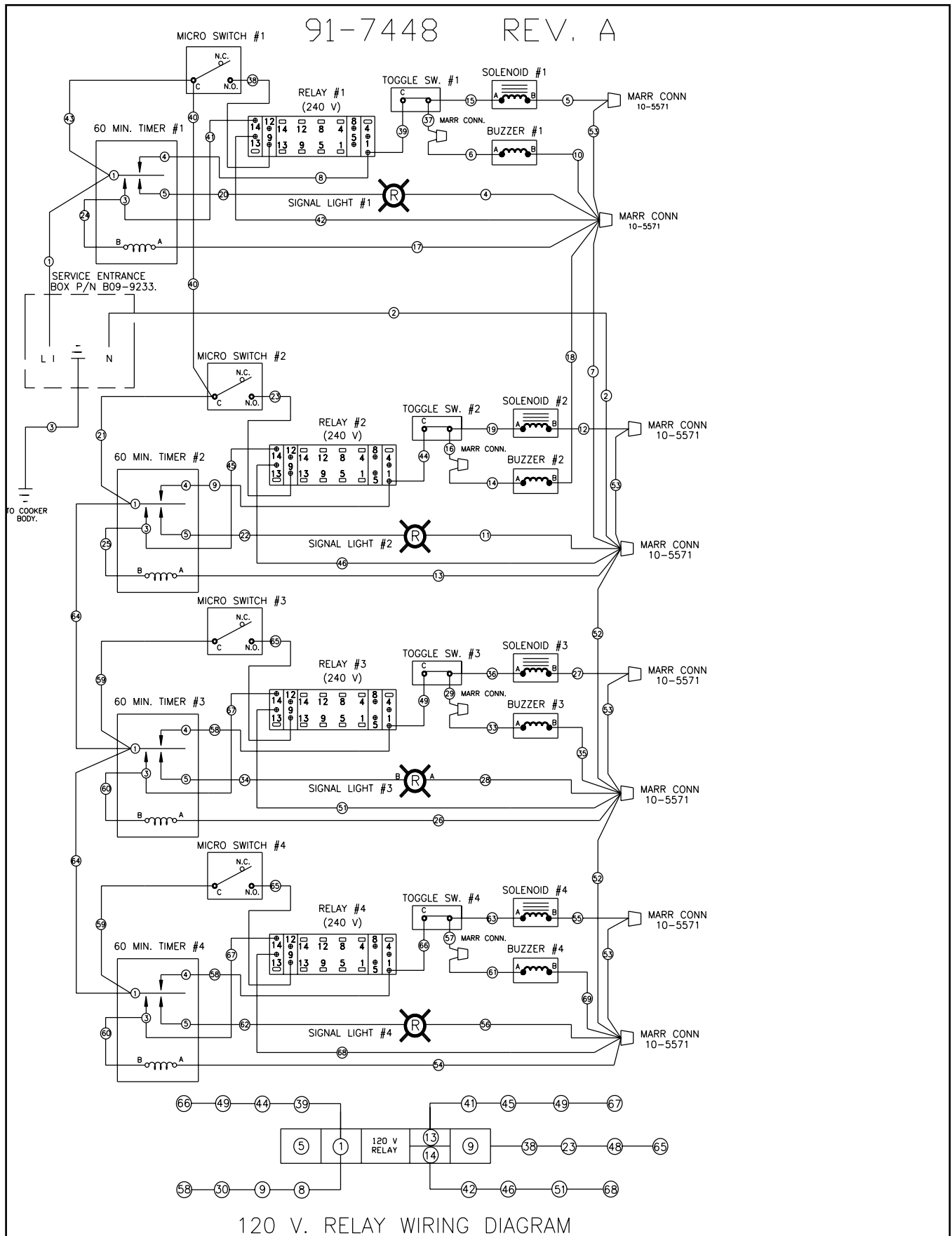
WIRING DIAGRAMS

3A SCHEMATIC



WIRING DIAGRAMS

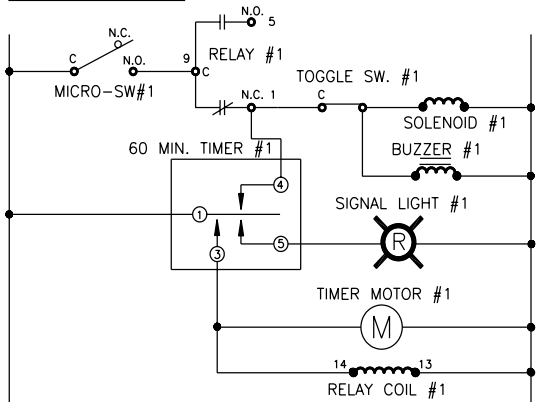
4A WIRING



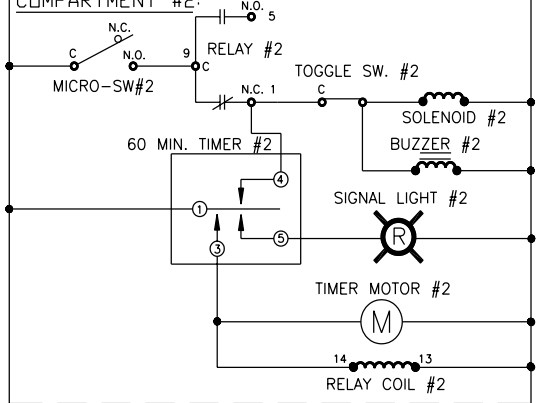
WIRING DIAGRAMS

4A SCHEMATIC

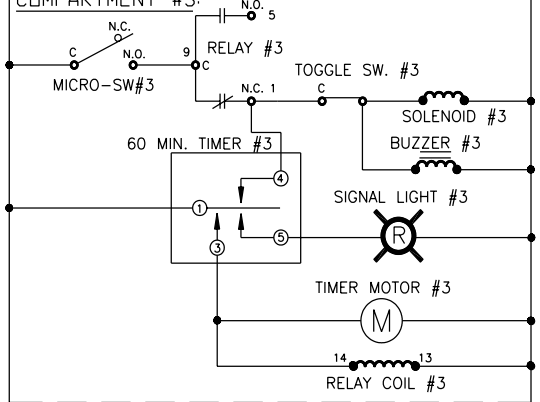
COMPARTMENT #1:



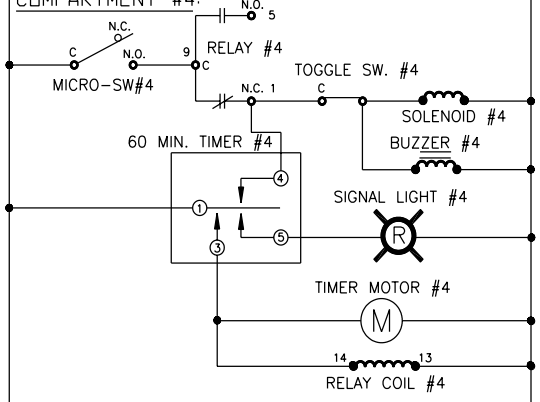
COMPARTMENT #2:



COMPARTMENT #3:



COMPARTMENT #4:



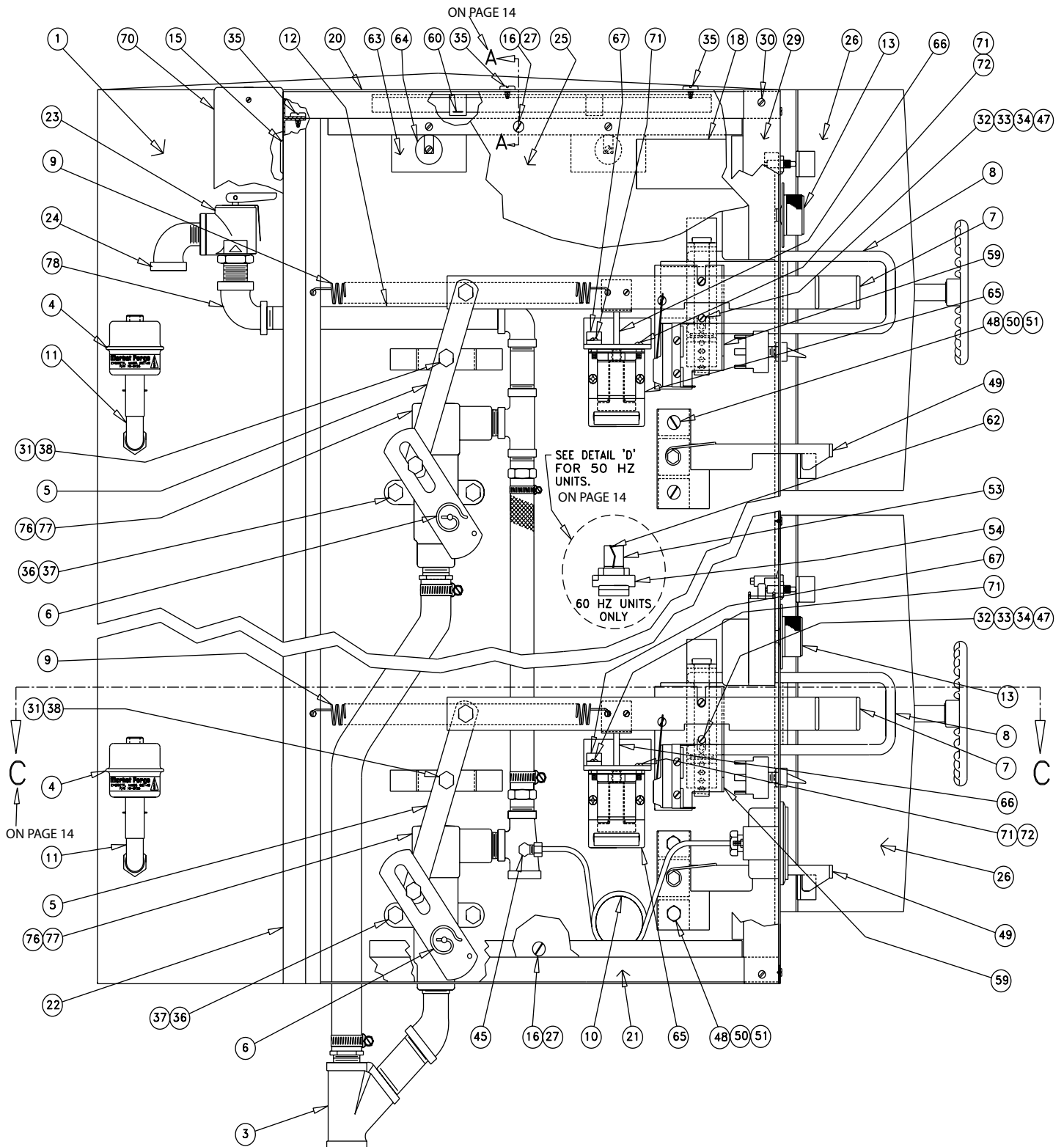
LI

SCHEMATIC

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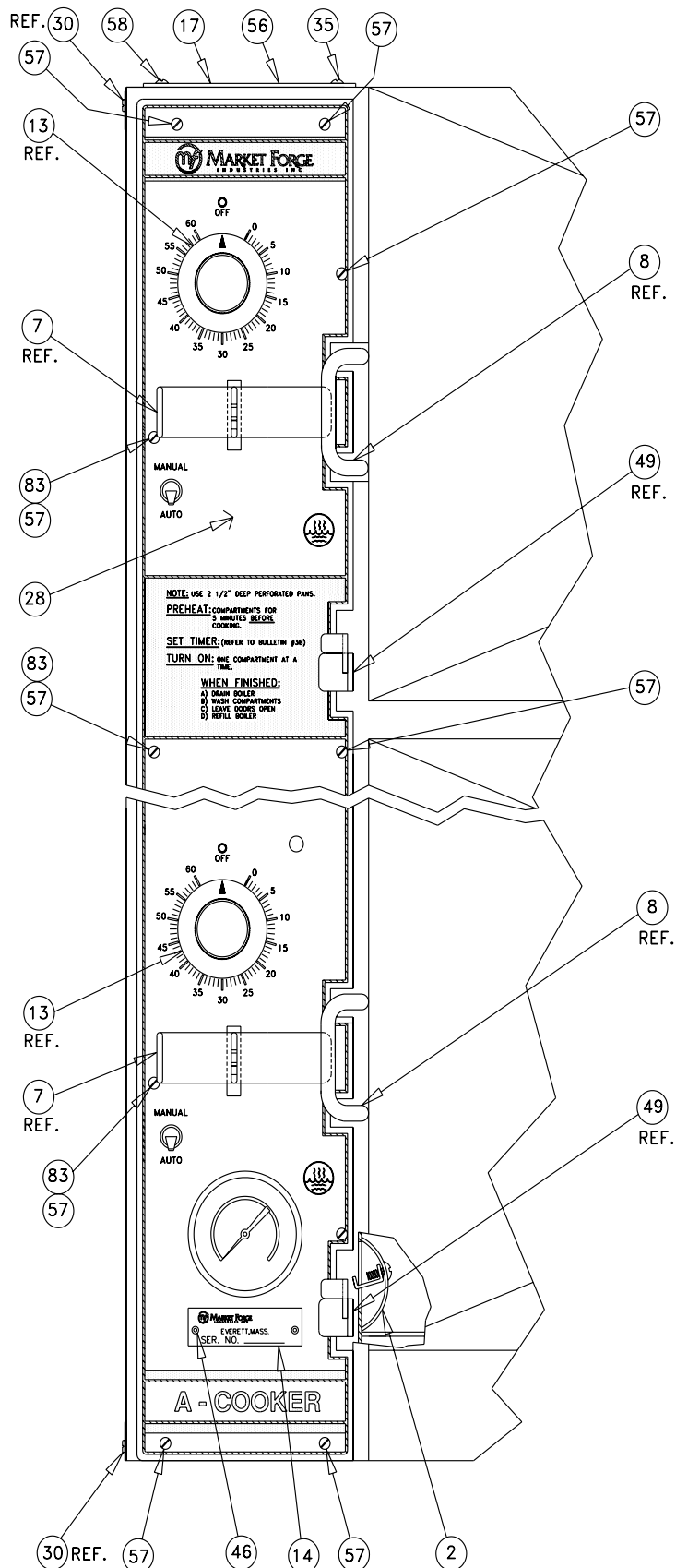
MAIN ASSEMBLY AND CONTROLS

MAIN ASSEMBLY



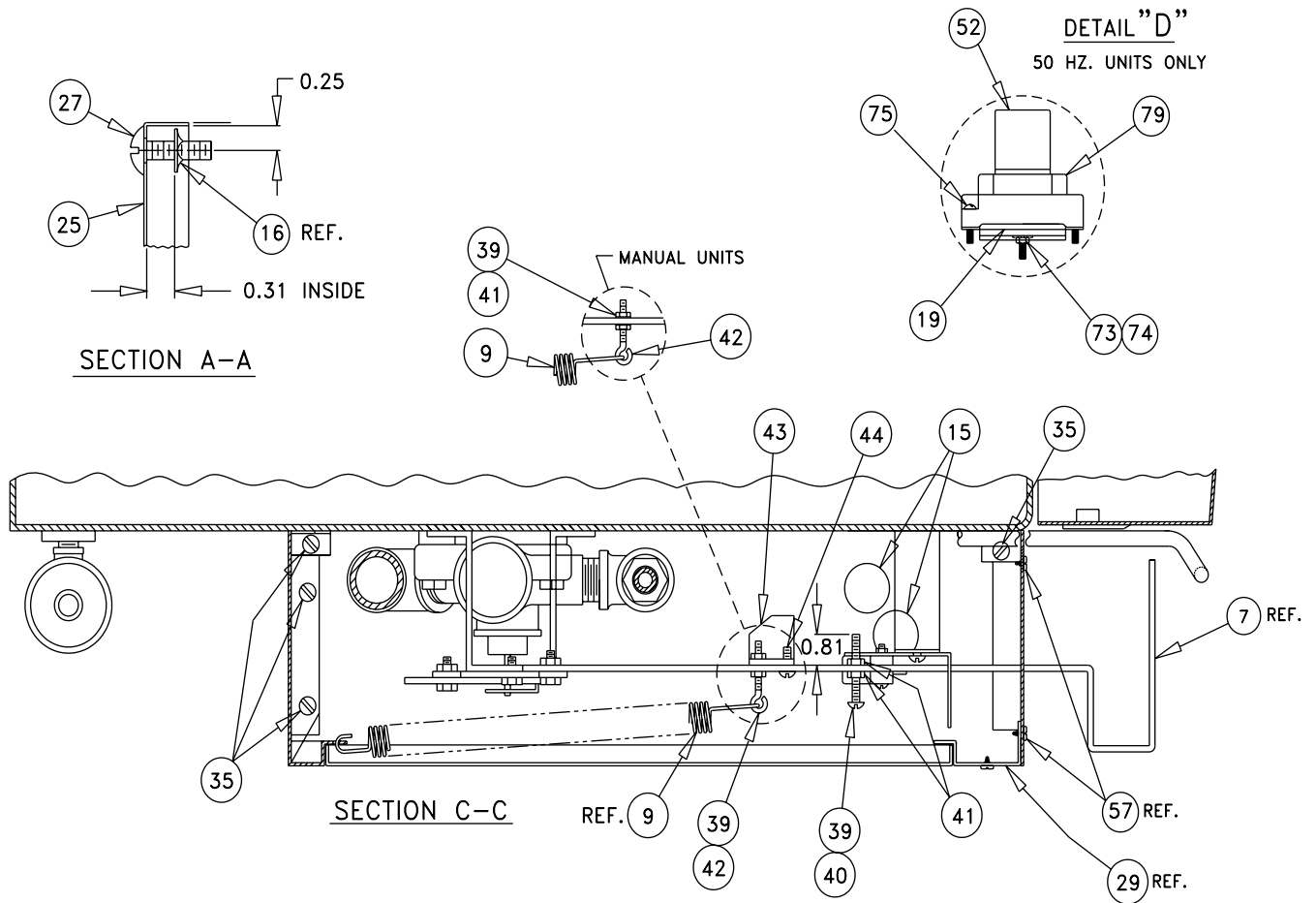
MAIN ASSEMBLY AND CONTROLS

CONTROL PANEL



MAIN ASSEMBLY AND CONTROLS

CONTROL BOX ASSEMBLY



MAIN ASSEMBLY AND CONTROLS

ITEM	PART NO.	DESCRIPTION
1	90-9208	ASSY, WELDMENT, BODY, 2A COOKER
1	90-9209	ASSY, WELDMENT, BODY, 3A COOKER
1	90-9210	ASSY, WELDMENT, BODY, 4A COOKER
2	91-3308	ASSY, STRAINER
3	90-9970	ASSY, HEADER, STEAM AND EXHAUST 2A COOKER
3	90-9969	ASSY, HEADER, STEAM AND EXHAUST 3A COOKER
3	90-9968	ASSY, HEADER, STEAM AND EXHAUST 4A COOKER
4	10-6156	TRAP, STEAM
5	90-9211	ASSY, ARM, OPERATING VALVE
6	10-2756	SPRING, SYNCHRONIZER
7	90-9215	HANDLE, CONTROL
8	90-8338	ASSY, HANDLE, LATCH AND BRACKET
9	10-2755	SPRING, ARM, OPERATING
10	90-8963	TUBING, PRESSURE GAUGE
11	08-4813	ADAPTOR 90O, 3/8 NPT STEAM TRAP
12	10-3623	NIPPLE 3/4 IPS x 8" LONG (BRASS)
13	NPN	KNOB, TIMER (MANUAL (PART OF 98-1480 TIMER)
13	09-5259	KNOB, TIMER (AUTOMATIC)
14	10-6924	PLATE, NAME, SERIAL NUMBER
15	10-4261	PLUG BUTTON 7/8 DIA. HOLE (SEE NOTE #2 ON PAGE 11)
16	10-4107	NUT, TYPE J 8-32 C1690
17	10-5488	SEAL, NSF
18	08-5846	LABEL
19	91-5173	ASSY, WELDMENT, BRACKET RELAY, 240V
20	90-9237	ASSY, ENCLOSURE, COVER TOP, POLISHED
21	90-9186	ENCLOSURE SUPPORT BOTTOM POLISHED
22	90-9184	ENCLOSURE SIDE BACK, POLISHED, 2A
22	90-9231	ENCLOSURE SIDE BACK, POLISHED, 3A
22	90-9896	ENCLOSURE SIDE BACK, POLISHED, 4A
23	10-4742	VALVE SAFETY, 3/4, 8 LBS. BRONZE SATIN, CHROME
24	08-5447	ELBOW, STREET, 90O, 3/4 IPS BRASS
25	91-9737	PANEL, SIDE ENCLOSURE 2 COMPARTMENT
25	91-9747	PANEL, SIDE ENCLOSURE 3 COMPARTMENT
25	90-9203	ENCLOSURE PANEL, COVER, 4A POLISHED
26	91-5195	ASSY, DOOR AND HINGE, POLISHED 4A (SEE TAB. DWG. 91-5194)
26	91-5180	ASSY, DOOR AND HINGE, POLISHED 3A (SEE TAB. DWG. 91-5194)
26	91-5191	ASSY, DOOR AND HINGE, POLISHED 2A (SEE TAB. DWG. 91-5194)
27	10-1740	SCREW, TRUSS HD. 8-32 x 3/4 LONG STAINLESS STEEL
28	91-5446	ASSY, CONTROL PANEL, 2A MANUAL (SEE TAB. DRAWING NO. 91-5448)

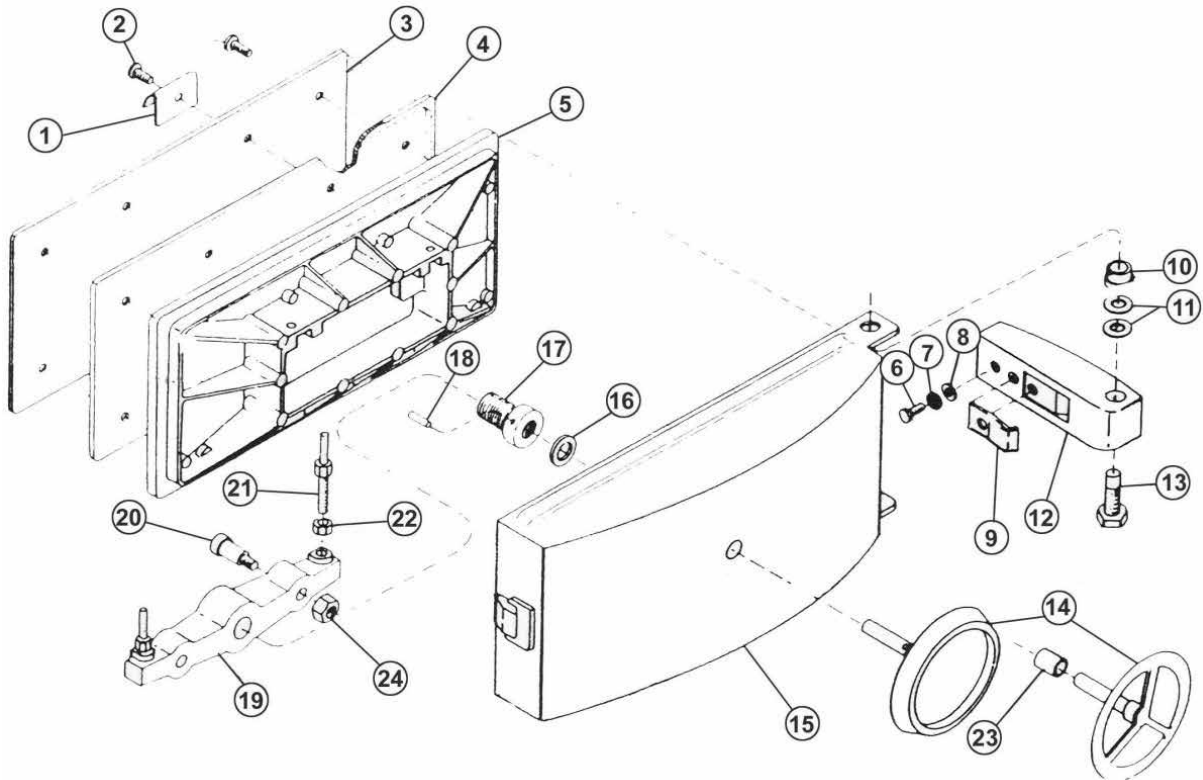
MAIN ASSEMBLY AND CONTROLS

ITEM	PART NO.	DESCRIPTION
28	91-5440	ASSY, CONTROL PANEL, 2A AUTO, 120V, 60HZ (SEE TAB. DWG. 91-5448)
28	91-5442	ASSY, CONTROL PANEL, 2A AUTO, 240V, 50HZ
28	91-5447	ASSY, CONTROL PANEL, 3A MANUAL
28	91-5441	ASSY, CONTROL PANEL, AUTO, 120V, 60HZ
28	91-5443	ASSY, CONTROL PANEL, AUTO, 240V, 50HZ
28	91-7441	ASSY, CONTROL PANEL, 4A MANUAL
28	91-7442	ASSY, CONTROL PANEL, 4A AUTO, 120V, 60HZ
28	91-7443	ASSY, CONTROL PANEL, 4A AUTO, 240V, 50HZ
29	91-9753	CHANNEL, 2 COMPARTMENT
29	91-9739	CHANNEL, 3 COMPARTMENT (THIS ITEM IS NOT USED ON 4A MODELS)
30	NPN	SCREW, SHEET METAL, TYPE "B", SLOT PAN HD., ST/ST, 10 x 1/2 LONG (USE THIS ITEM ON 4A MODELS TO FILL HOLES IN ITEM'S 20 AND 21)
31	10-2328	NUT, STOP, 1/4-20
32	10-3822	WASHER, FLAT 1/4 STAINLESS STEEL
33	10-2508	WASHER, LOCK 1/4 STAINLESS STEEL
34	10-1701	SCREW, MACH. RD. HD. 1/4-20 x 3/8 LONG CADMIUM PLATED
35	10-2154	SCREW, PAN HD. TYPE "B" 1/2 LONG STAINLESS STEEL
36	10-2124	SCREW, CAP, HEX HD. 3/8-16 x 1 1/8 LONG STAINLESS STEEL
37	10-2503	WASHER, LOCK 3/8 CADMIUM PLATED
38	10-1967	SCREW, SHOULDER 1/4-20
39	10-2521	WASHER LOCK HEL. SP. TYPE #8 NP
40	10-1865	SCREW RD. HD. 8-32 x 1 1/4 LONG
41	10-2330	NUT, HEX 8-32
42	08-3415	EYE BOLT WITH NUT 8-32
43	90-9952	ANGLE EFT, OPERATING ARM
44	10-1761	SCREW, TRUSS HD. 8-32 x 3/8 LONG
45	10-3360	ELBOW COMPRESSION 1/8 IPS x 3/16 OD
46	10-2972	RIVET, POP 1/8 DIA. x 0.232 LONG
47	10-3503	LOCTITE SCREWLOCK
48	10-2508	WASHER, LOCK 1/4 STAINLESS STEEL
49	91-5163	ASSEMBLY, LATCH SECONDARY
50	10-2403	WASHER, FLAT 1/4 STAINLESS STEEL
51	10-1864	SCREW, MACH. HEX. HD. 1/4-20 x 1/2 LONG
52	08-6343	RELAY, GENERAL PURPOSE 240V
53	10-9174	RELAY POWER MIDGET
54	10-9175	SOCKET
55	10-9262	PLATE, NAME, IDENTIFICATION AUTOMATIC
56	91-3715	PLATE, NAME, IDENTIFICATION MANUAL
57	10-1949	SCREW, PAN HD. #6 TYPE A 3/8 LONG (4A ONLY)

MAIN ASSEMBLY AND CONTROLS

ITEM	PART NO.	DESCRIPTION
58	10-2948	RIVET, POP, DOMED HD. 1/8 DIZ.
59	90-9217	ASSEMBLY GUIDE BRACKET AND MICRO SWITCH
60	10-1652	PIN COTTER 1/16 DIA. x 1" LONG STAINLESS STEEL
61	90-8138	ASSEMBLY, DOOR AND LUBRICATION PROCEDURE
62	10-9277	SPRING HOLD DOWN, MIDGET RELAY
63	90-9195	INSULATION, BUZZER
64	10-7395	BUZZER 120V
64	10-7396	BUZZER 240V
65	10-5997	SOLENOID 120V
65	10-6881	SOLENOID 240V
66	90-8905	ROD PUSH SOLENOID
67	10-5678	CLIP, CABLE, PLASTIC (SEE NOT #3 ON PAGE 11)
70	90-9233	ASSEMBLY KIT CONNECTION AND FUSE BOX (SEE NOTE #1 ON PAGE 11)
71	10-2160	SCREW TRUSS HD. 10-32 x 3/8 LONG ZINC PLATE
72	10-2505	WASHER LOCK #10
73	10-2523	WASHER, LOCK, EXTERNAL TOOTH 1/4
74	10-2336	NUT, HEX, MACH. 1/4
75	10-1932	SCREW MACH. RD. HD. 6-32 x 7/8 LONG
76	91-6204	GASKET VALVE BODY 1/8 TH.
77	10-3511	COMPOUND, SEALING, GASKET
78	10-3455	ELBOW 90O, 3/4 IPS, BRASS
79	08-8344	SOCKET, SCREW, RELAY, 240V
80	91-6335	WIRING DIAGRAM AND SCHEMATIC, 2A AUTO, 50/60HZ
80	91-6336	WIRING DIAGRAM AND SCHEMATIC, 3A AUTO, 50/60HZ
80	91-7448	WIRING DIAGRAM AND SCHEMATIC, 4A AUTO, 50/60HZ
81	91-6334	WIRE LEAD SCHEDULE, 120V AND 240V
82	08-5847	LABEL, PROLONG GASKET LIFE (NOT SHOWN)
83	10-1904	SCREW, MACH. PAN HD. #6-32 x 3/8 STAINLESS STEEL (2A AND 3A ONLY)

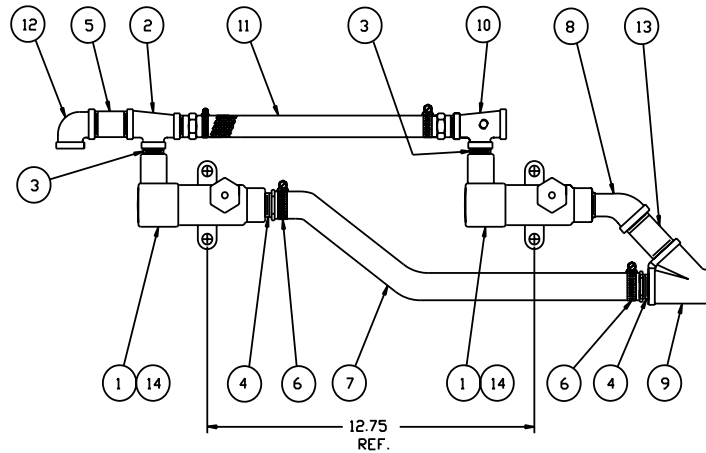
DOOR ASSEMBLY



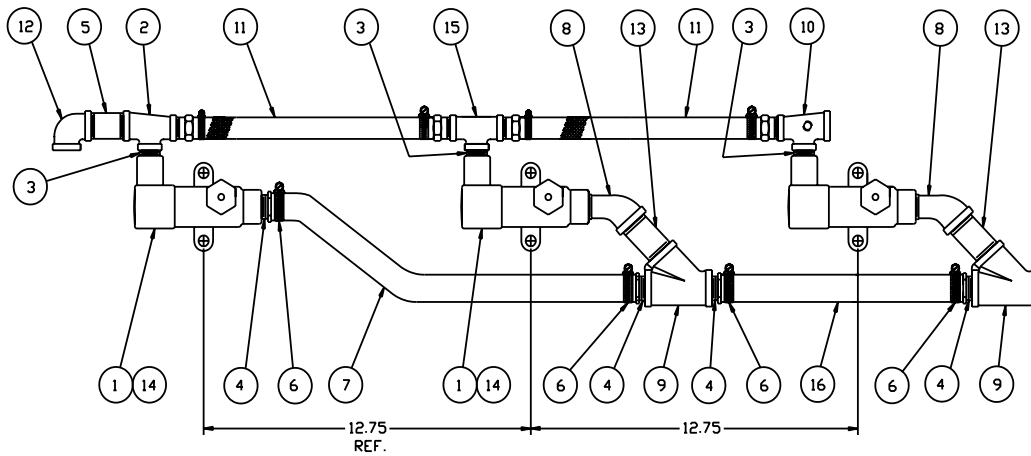
ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	90-8310	HAND GRIP	13	10-1981	PIVOT HINGE
2	10-6764	GASKET SCREWS	14	90-8328	HANDWHEEL, SPOKED
3	90-8311	GASKET PLATE	15	91-5148	OUTER DOOR, POLISHED
4	10-0433	DOOR GASKET	16	10-2423	THRUST WASHER
5	91-3152	INNER DOOR	17	10-3080	DOOR BUSHING
	90-8147	INNER DOOR ASSEMBLY (ITEM'S 1-5)	18	10-1696	ROLL PIN
6	10-2135	5/16 - 10 x 3/4 HX. HD. BOLT	19	90-8119	STRONG BACK
7	10-2426	11/32 ID x 3/4 OD FT. WASHER ST/ST	20	10-2012	CAP SCREW
8	10-1909	5/16 THREADSEAL	21	10-1973	SUPPORT STUD ASSEMBLY
9	90-8114	DOOR SPRING RELEASE	22	10-2302	HX. NUT 3/8 - 16
10	10-3079	DOOR PIVOT BEARING	23	90-8317	HANDWHEEL BUSHING
11	10-2427	1/16 THK. x 1" OD FLAT WASHER	24	10-2013	HX. JAM NUT 3/8 - 16
12	90-8111	HINGE - POLISHED	-	10-9998	TOOL, BODY STRAIGHTENING

HEADER, STEAM AND EXHAUST ASSEMBLY

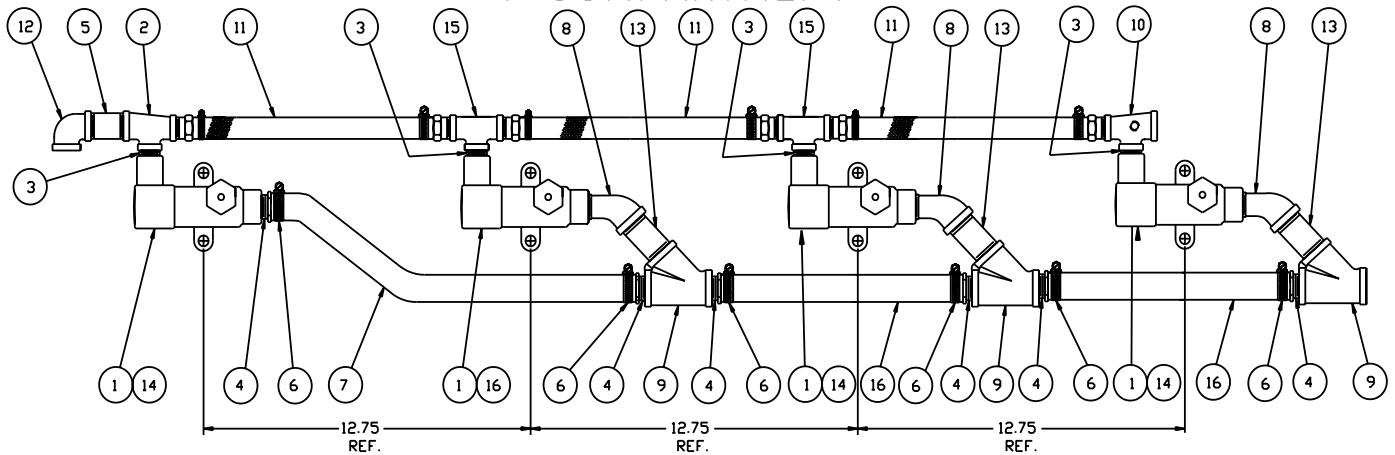
2 COMPARTMENT



3 COMPARTMENT



4 COMPARTMENT



HEADER, STEAM AND EXHAUST ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY. 2 COMPARTMENT	QTY. 3 COMPARTMENT	QTY. 4 COMPARTMENT
1	90-2434	ASSEMBLY, VALVE, BRASS	2	3	4
2	10-2584	TEE, REDUCING, BRASS 3/4 x 1/2 X 1/2 NPT	1	1	1
3	10-24849	NIPPLE, CLOSE, BRASS 1/2 NPT	2	3	4
4	08-1202	NIPPLE, HOSE 3/4 NPT MALE x 1" ID, HOSE ZINC PL.	2	4	6
5	09-4877	NIPPLE, BRASS 3/4 NPT x 1 3/4 LG.	1	1	1
6	10-4137	CLAMP, HOSE	2	4	6
7	10-0239	NIPPLE, CLOSE, BI 3/4 NPT	2	1	1
8	10-3756	ELBOW, STREET 45° MI 3/4 NPT	1	2	3
9	10-3320	Y BRANCH, 45° MI 3/4 NPT	1	2	3
10	90-8141	TEE, REWORK	1	1	1
11	08-4913	ASSEMBLY HOSE, WITH BRAIDED ST/ST (SEE TAB. DWG. C08-4910)	1	2	3
12	10-3455	ELBOW, 90°, BRASS 3/4 NPT	1	1	1
13	10-2847	NIPPLE, CLOSE BI 3/4 NPT	1	2	2
14	91-6204	GASKET, VALVE BODY	2	3	4
15	10-3352	TEE BRASS 1/2 NPT	1	1	2
16	10-0239	HOSE, 1" ID x 1 1/4 OD X 9 3/8 LG.	1	1	1