

INSTALLATION

After removing crate, use the checklist furnished inside crate to verify that you have received all parts. Then check to be sure leg leveling devices are run all the way to a down position. Use these leveling devices to level the table so that the bottom platen is straight and level. After the table is leveled, all legs should be anchored to the floor with lag screws or similar fastening devices.

Connect 100 PSI air supply to inlet and hook up electrical supply of
110 Volt, 15 Amp service

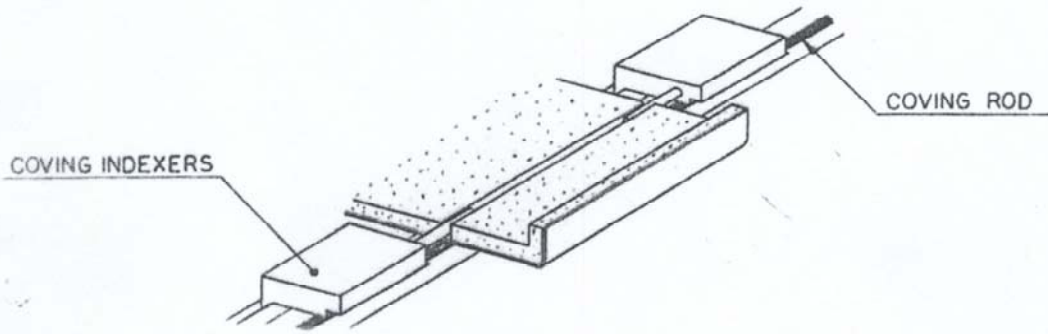
Check to make sure that all controls are in working order by trying and familiarize yourself with each one. i.e. Table UP and Table DOWN controls. Once all controls are checked and you understand their function, you are ready to operate your 190.

Turn on coving heater. Set thermostat to 325 – 350 degrees F. The element is ready when indicator light starts to cycle on and off (approx. 10 minutes.) keeping rod at set temperature.

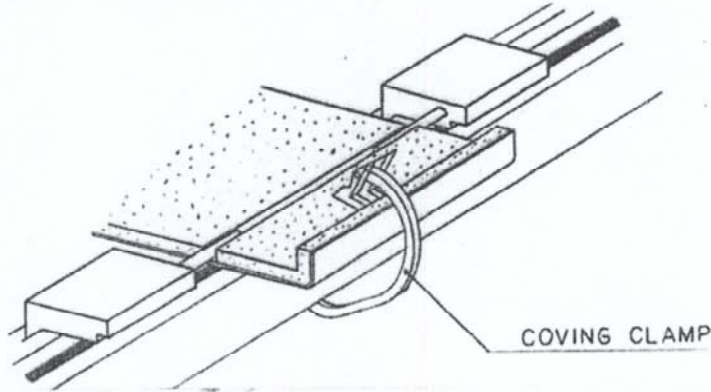
Raise upper platen by means of the control valve marked Table up. If the core material to be coved is less than 8 ft. place a piece of wood the same thickness as your core material on each extreme end of the machine to insure uniform pressure over the entire length of the machine and to eliminate warping the machine when it is in the pressing position.

Follow instructions on following page. High Pressure Laminate bends when it reaches the bending temperature of 325 degrees. It is recommended that you cut short samples for experiment and training of operator, index the sample over the rod as shown on the following page and start by leaving the top for 30 seconds and then bend. If the laminate cracks, it means that the top was not ready and you must increase time over the rod. If the laminate burns, give it less time. Work with the time and not the temperature until you are familiar with the process.

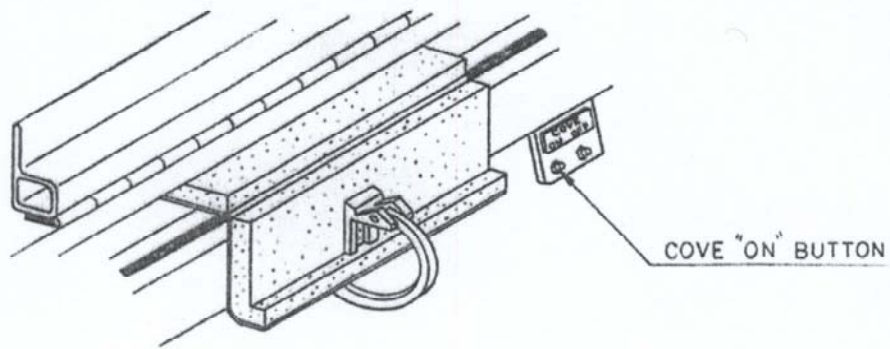
Raise platten, turn top upside down and place in press. Properly locate over cove rod, using indexers supplied. Lower top platten.



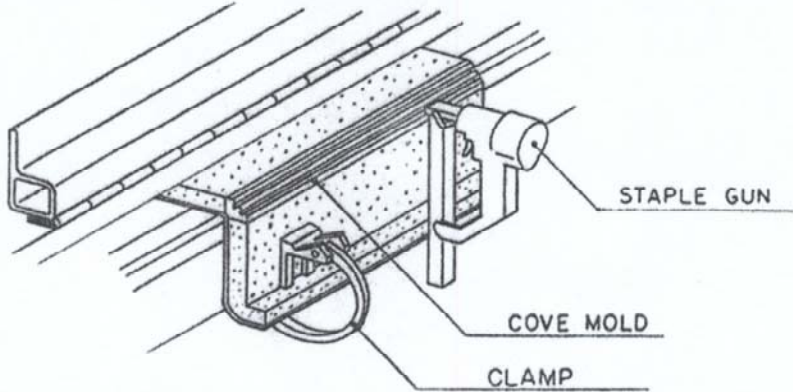
Raise pneumatic clamps into position.

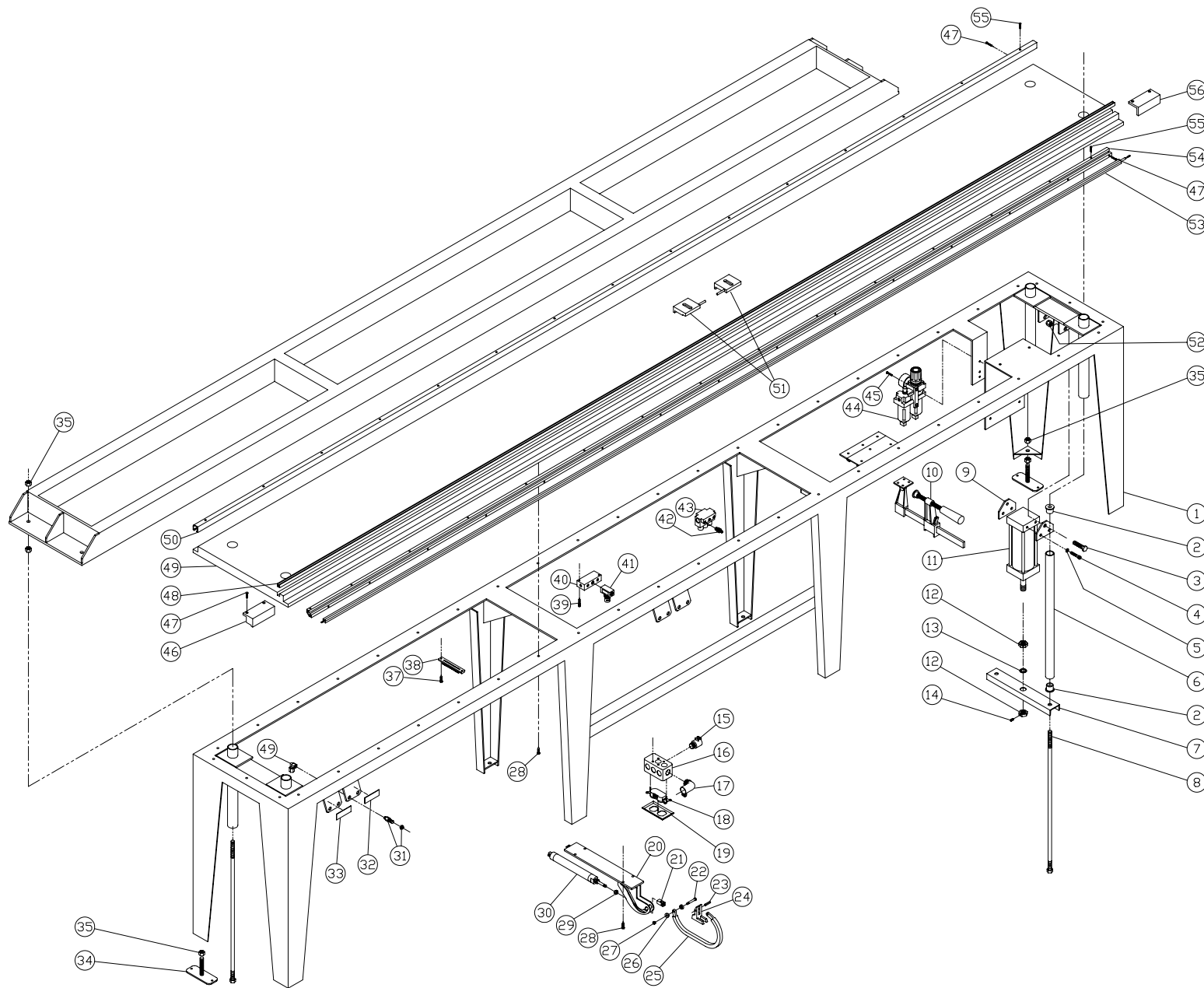


~~press~~ press cove "ON" button to activate coving cycle.



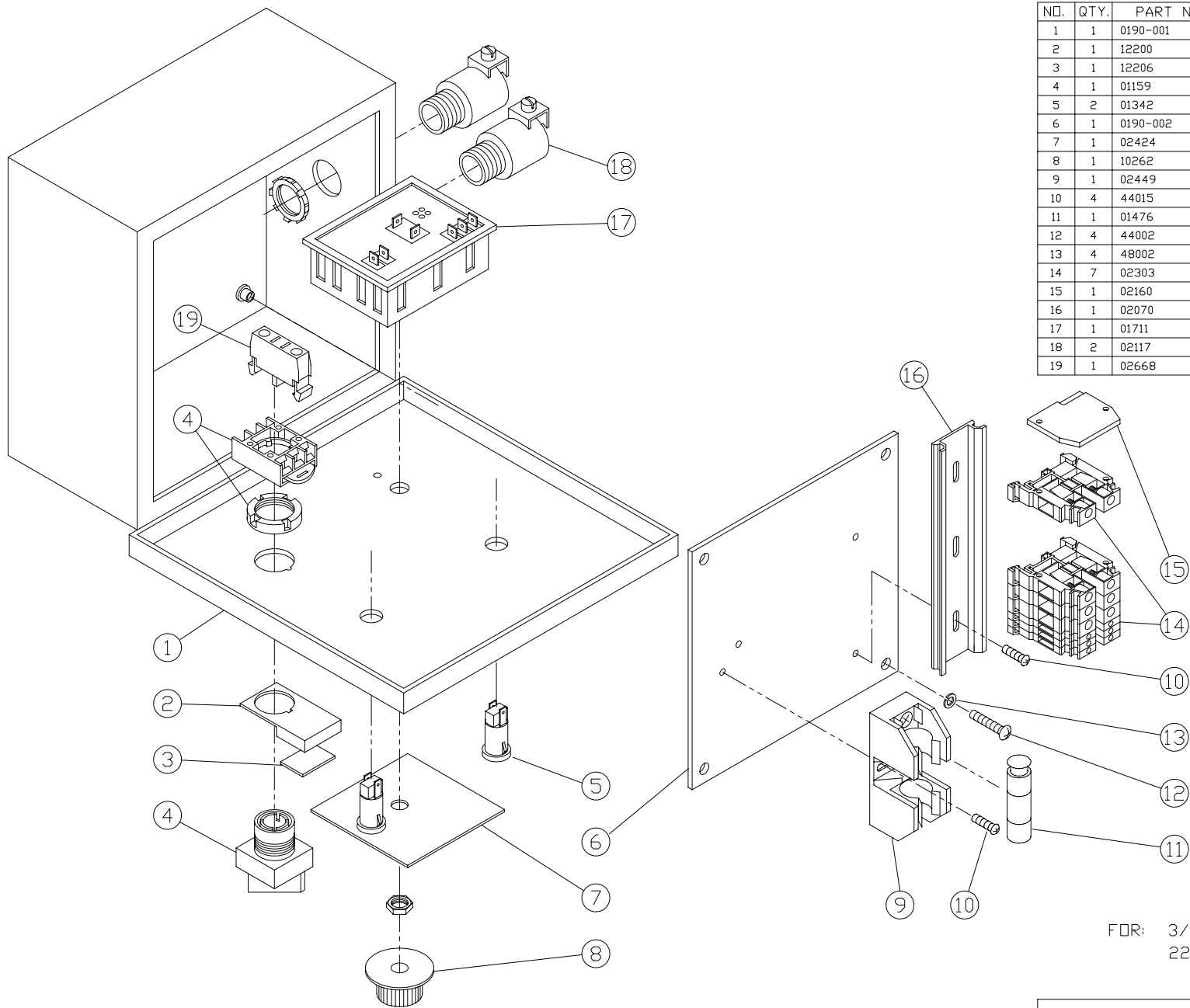
Apply PVA glue to bent area and press cove moulding into place. Secure with aluminum staples using staple gun supplied. Disengage clamps. Raise platten and remove completed top.






56	1	0100-13-00-00	R/H COVE ROD INSULATOR
55	30	63003	#8 x 1-1/4 FLAT WOOD SCREW
54	1	50-02-00010	ALUMINUM EXTRUSION
53	1	0100-98-00-00	3/8 COVE ROD ASSEMBLY
52	1	0100-24-00-00	1/4 COVE ROD ASSEMBLY
51	4	54012	1/2-13 ESNA LOCKNUT
50	2	0120-03-00-00	3/8 R/H & L/H COVING DEVICE
49	2	0100-11-00-00	1/4 R/H & L/H COVING DEVICE
48	1	0100-00-00	REAR ALUMINUM EXTRUSION
47	1	0110-03-00-00	BOTTOM PLATTEN ASSEMBLY
46	1	0100-012	COVE DEVICE CHANNEL
45	34	63004	#8 x 1-1/2 FLAT WOOD SCREW
44	1	0100-13-00-00	L/H COVE ROD INSULATOR
43	2	44003	#10-32 x 1/2 P.H.M.S.
42	1	1043	FILTER REGULATOR
41	3	07036	VALVE, 4-WAY BLEED
40	1	07142	VALVE, SPEED CONTROL
39	1	07041	VALVE
38	4	0100-027	MANIFOLD
37	2	63005	#8 x 2" FLAT WOOD SCREW
36	14	40666	TUBE RACK, POLY-FLD
35	8	62009	#10-3/4 P.H.M.S.
34	14	15542	1/4 x 1/8 FEMALE ELBOW
33	24	57012	1/2-13 HEX NUT
32	8	116-00	FOOT ASSEMBLY, 3-1/2"
31	2	12202	LABEL, "COVE ON-OFF"
30	3	12201	LABEL, "TABLE UP-DOWN"
29	14	07060	VALVE, BLEED
28	3	06624	AIR CYLINDER
27	6	57009	5/16-18 HEX NUT
26	72	45003	1/4 x 1-1/2 LAG SCREW
25	6	54002	#10-24 ESNA LOCKNUT
24	12	0100-021	COVE CLAMP BUSHING
23	6	0100-024	COVING CLAMP ARM
22	6	0100-023	COVE FOOT
21	6	30526	1/4 x 1" ROLL PIN
20	6	42007	1/4 x 1-1/4 SHOULDER BOLT
19	6	0100-022	AIR CYLINDER CLEVIS
18	6	0100-17-00-00	CYLINDER MOUNT ASSEMBLY
17	1	02144	COVER, DUPLEX
16	1	02260	RECEPTACLE, DUPLEX
15	1	02118	CONNECTOR, 1/2" LT., 90 DEG.
14	1	02030	BOX, 2" x 4"
13	1	02117	CONNECTOR, 1/2" LT.
12	4	33030	1/4-28 x 1/4 SET SCREW
11	2	50003	3/4 INTERNAL STAR WASHER
10	4	0100-031	MODIFIED HEX NUT
9	11	0100-016	TABLE AIR CYLINDER
8	4	10108	PONY ADJUSTABLE CLAMP
7	4	0100-001	CYLINDER BRACKET
6	4	0190-003	SLIDE TUBE BOLT
5	2	0110-001	STDP CHANNEL
4	4	0100-004	SLIDE TUBE
3	8	48006	5/16 LOCKWASHER
2	4	36054	5/16-18 x 3/4 S.H.C.S.
1	3	40227	1/2-13 x 1-1/2 H.H.C.S.
	2	0110-002	TUBE BUSHING
	1	0110-01-00-00	MAIN FRAME ASSEMBLY
NO.	QTY.	PART NO.	DESCRIPTION

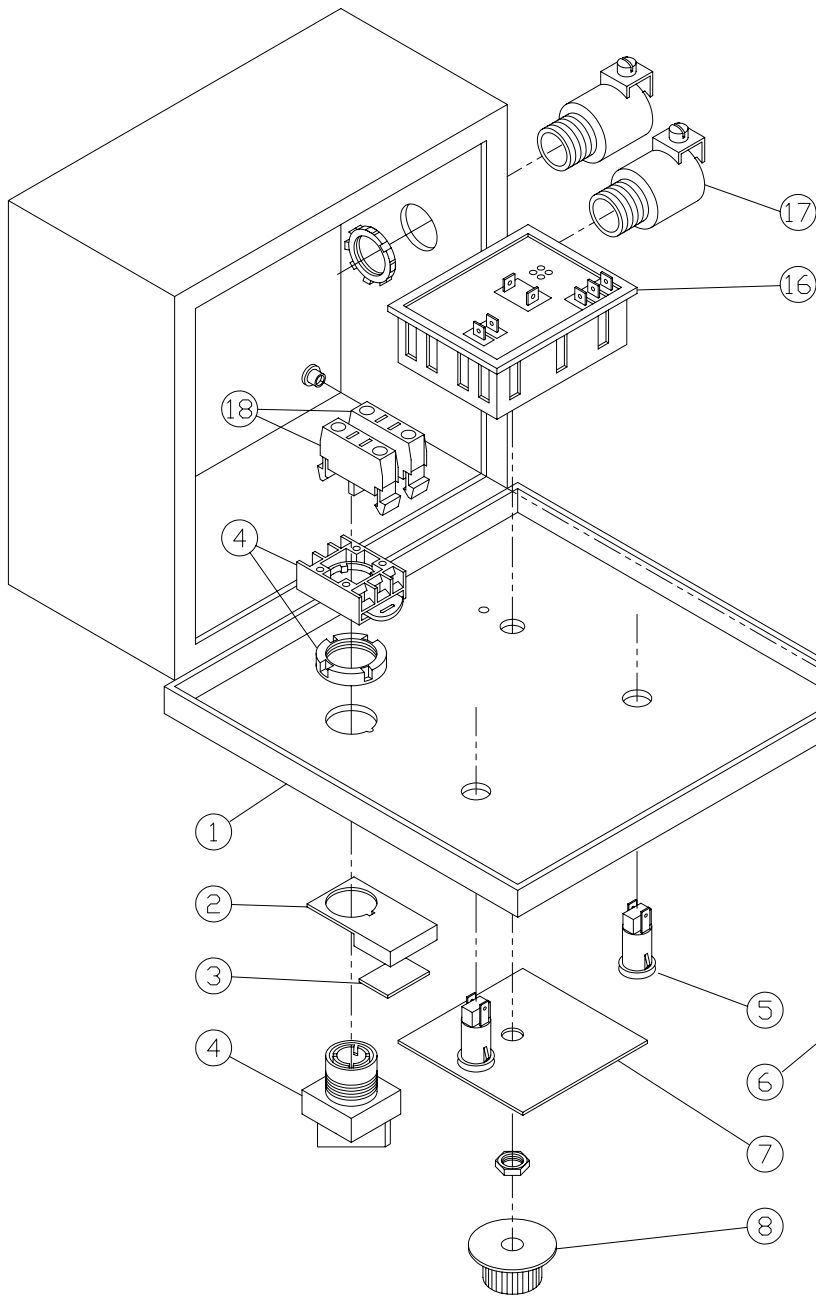
EVANS & MACHINERY, INC.
 SCALE: 1 : 8 APPROVED BY: _____ DRAWN BY: G.M.C.
 DATE: JUNE 23, 99 REVISED: _____
0190 FORMER
 EXPLODED VIEW DRAWING NUMBER: 0190-EXP 1



NO.	QTY.	PART NO.	DESCRIPTION
1	1	0190-001	ELECTRICAL BOX
2	1	12200	BEZEL
3	1	12206	LABEL, "ON - OFF"
4	1	01159	SWITCH, SELECTOR
5	2	01342	PILOT LIGHT, 220 V
6	1	0190-002	ELECTRICAL PANEL
7	1	02424	FACE PLATE
8	1	10262	KNOB
9	1	02449	FUSE HOLDER
10	4	44015	#8-32 x 3/8 P.H.M.S.
11	1	01476	FUSE, 8 AMP
12	4	44002	#10-32 x 3/8 P.H.M.S.
13	4	48002	#10 LOCKWASHER
14	7	02303	TERMINAL SECTION
15	1	02160	END PIECE
16	1	02070	DIR RAIL, 4' L
17	1	01711	CONTROLLER
18	2	02117	CONNECTOR, STRAIGHT, 1/2" FLEX
19	1	02668	CONTACT BLOCK, N.D.


FOR: 3/8 DIA. COVE ROD
220 V AC, 1Ø, 50 Hz

EVANS  MACHINERY, INC.		
SCALE: 1:2	APPROVED BY:	DRAWN BY: G.M.C.
DATE: JUNE 21, 04		REVISED
0190 COVING MACHINE		
CONTROL BOX		DRAWING NUMBER 0190-EXP 4

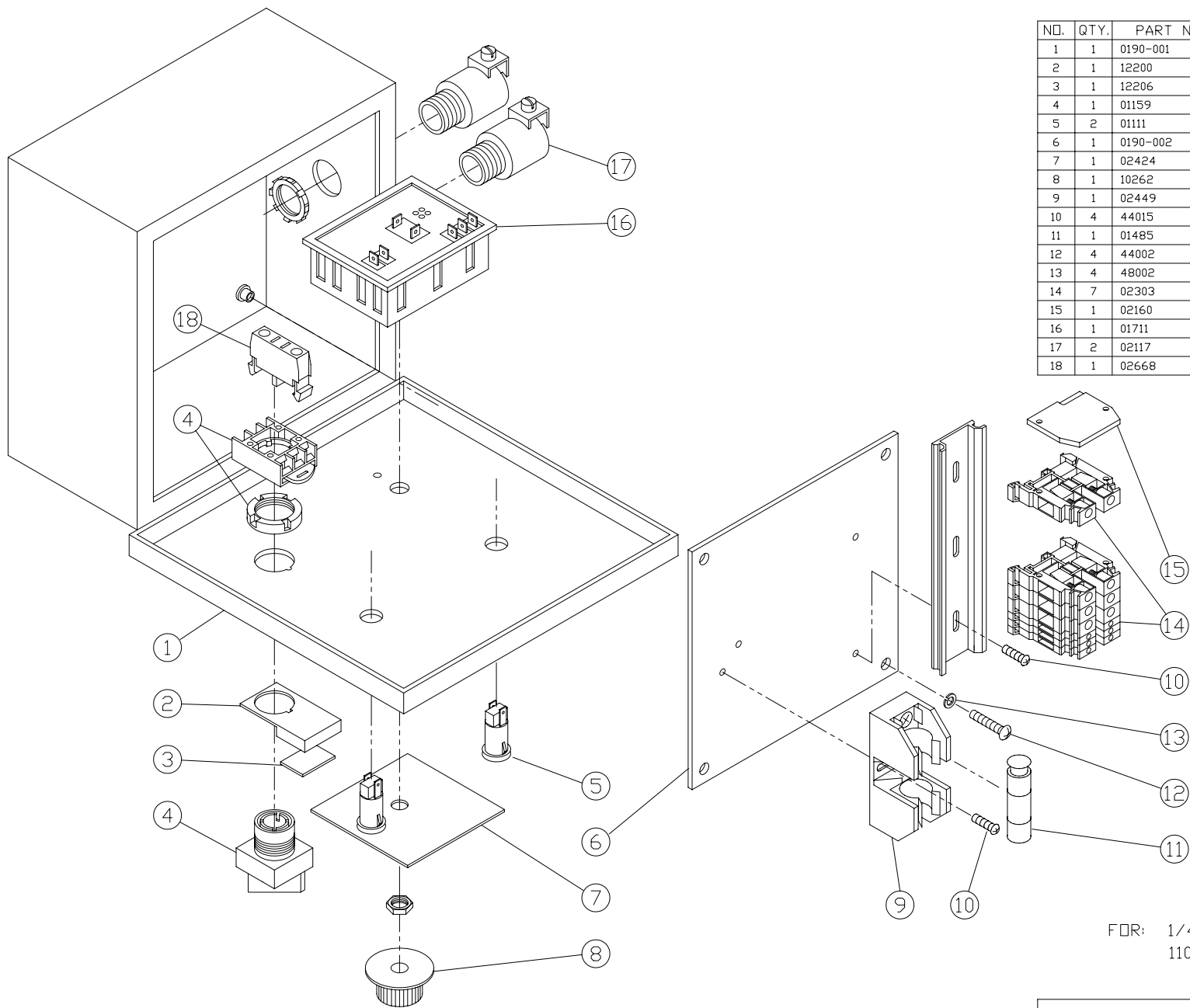


NO.	QTY.	PART NO.	DESCRIPTION
1	1	0190-001	ELECTRICAL BOX
2	1	12200	BEZEL
3	1	12206	LABEL, "ON - OFF"
4	1	01159	SWITCH, SELECTOR
5	2	01111	PILOT LIGHT
6	1	0190-002	ELECTRICAL PANEL
7	1	02424	FACE PLATE
8	1	10262	KNOB
9	1	02448	FUSE HOLDER, 2 POLE
10	4	44015	#8-32 x 3/8 P.H.M.S.
11	1	01476	FUSE, 8 AMP
12	4	44002	#10-32 x 3/8 P.H.M.S.
13	4	48002	#10 LOCKWASHER
14	7	02303	TERMINAL SECTION
15	1	02160	END PIECE
16	1	01711	CONTROLLER
17	2	02117	CONNECTOR, STRAIGHT, 1/2" FLEX
18	2	02668	CONTACT BLOCK, N.D.

FOR: 3/8 DIA. COVE ROD
220 V AC, 1Ø, 60 Hz


EVANS  MACHINERY, INC.

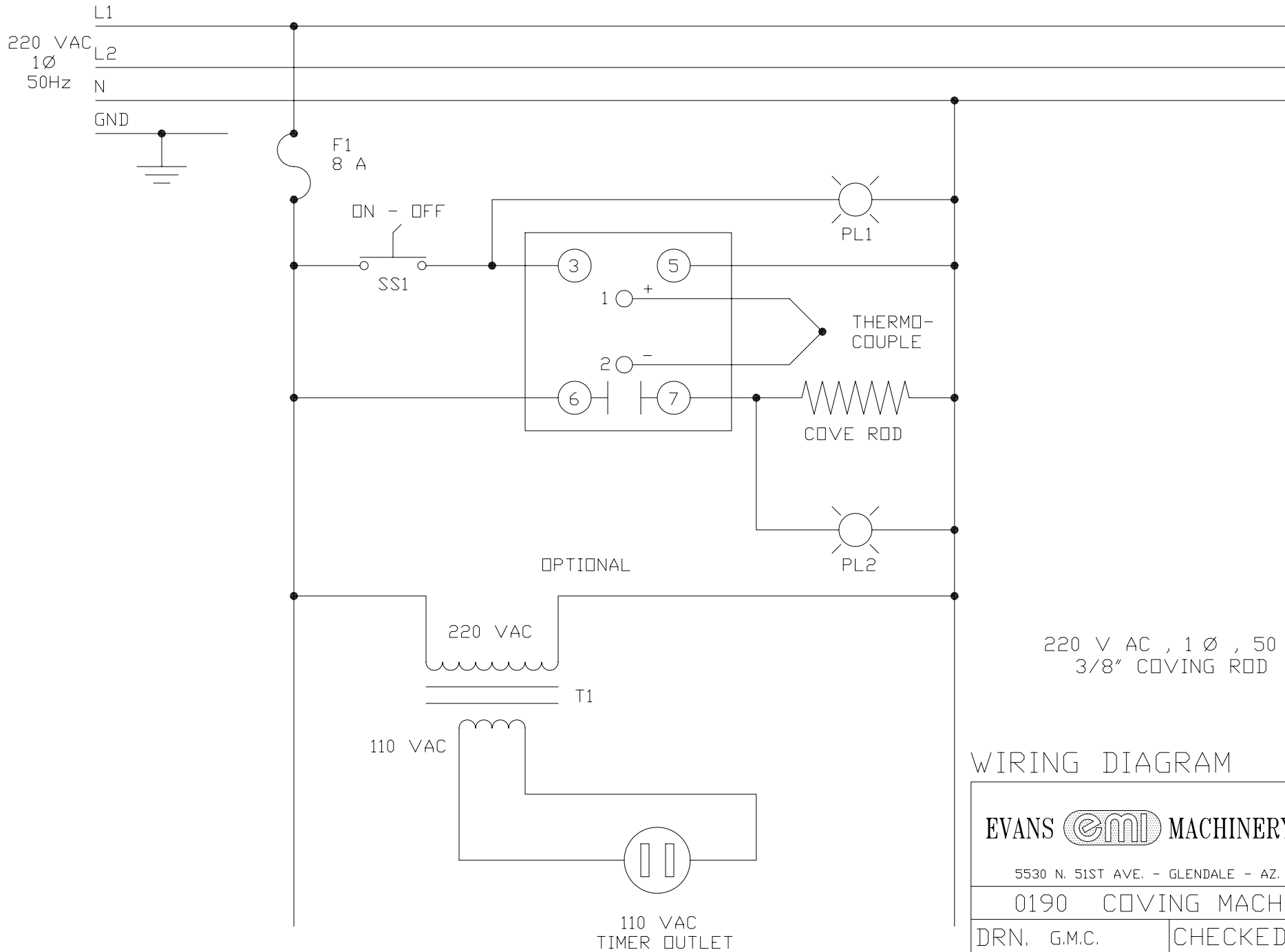
SCALE: 1:2	APPROVED BY:	DRAWN BY: G.M.C.
DATE: JUNE 21, 04		REVISED
0190 COVING MACHINE		DRAWING NUMBER
CONTROL BOX		0190-EXP 3



NO.	QTY.	PART NO.	DESCRIPTION
1	1	0190-001	ELECTRICAL BOX
2	1	12200	BEZEL
3	1	12206	LABEL, "ON - OFF"
4	1	01159	SWITCH, SELECTOR
5	2	01111	PILOT LIGHT
6	1	0190-002	ELECTRICAL PANEL
7	1	02424	FACE PLATE
8	1	10262	KNDB
9	1	02449	FUSE HOLDER
10	4	44015	#8-32 x 3/8 P.H.M.S.
11	1	01485	FUSE, 15 AMP
12	4	44002	#10-32 x 3/8 P.H.M.S.
13	4	48002	#10 LOCKWASHER
14	7	02303	TERMINAL SECTION
15	1	02160	END PIECE
16	1	01711	CONTROLLER
17	2	02117	CONNECTOR, STRAIGHT, 1/2" FLEX
18	1	02668	CONTACT BLOCK, N.D.

FOR: 1/4 DIA. COVE ROD
110 V AC, 1Ø, 60 Hz

EVANS  MACHINERY, INC.		
SCALE: 1:2	APPROVED BY:	DRAWN BY: G.M.C.
DATE: JUNE 24, 99		REVISED: JUNE 18, 04
0190 COVING MACHINE		
CONTROL BOX		DRAWING NUMBER 0190-EXP 2



220 V AC , 1 Ø , 50 Hz
3/8" COVING ROD

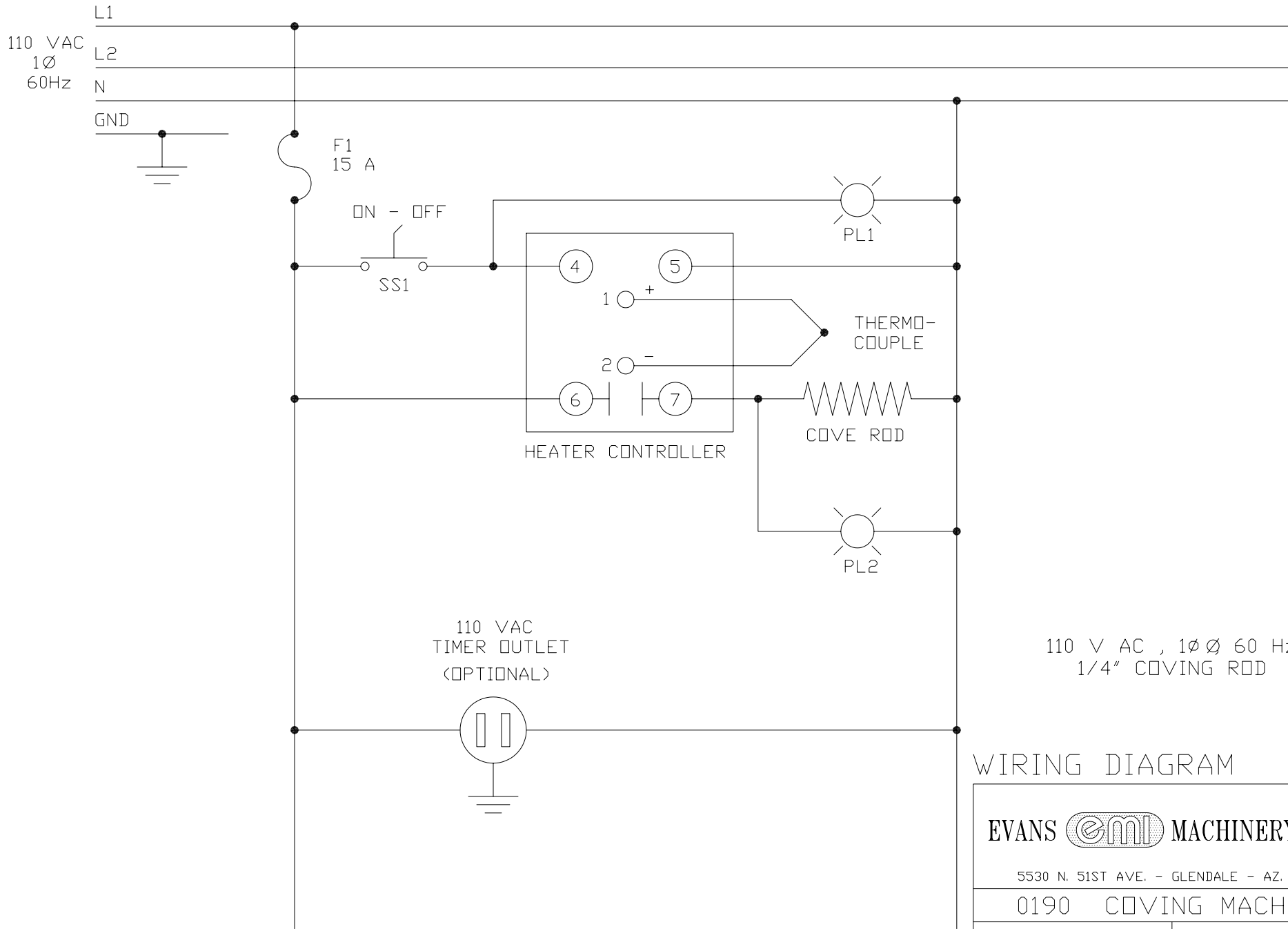
WIRING DIAGRAM

EVANS  MACHINERY, INC.

5530 N. 51ST AVE. - GLENDALE - AZ. 85301

0190 COVING MACHINE

DRN. G.M.C.		CHECKED
TOLERANCES UNLESS NOTED		DATE OCT 01, 97
.XXX	+ 0.010	SCALE NONE
.XX/FRACTION	± 0.030	0190-ELEC-2



WIRING DIAGRAM

EVANS  MACHINERY, INC.

5530 N. 51ST AVE. - GLENDALE - AZ. 85301

0190 COIVING MACHINE

DRN. G.M.C.

CHECKED

TOLERANCES
UNLESS NOTED

DATE MAR 16, 98

SCALE NONE

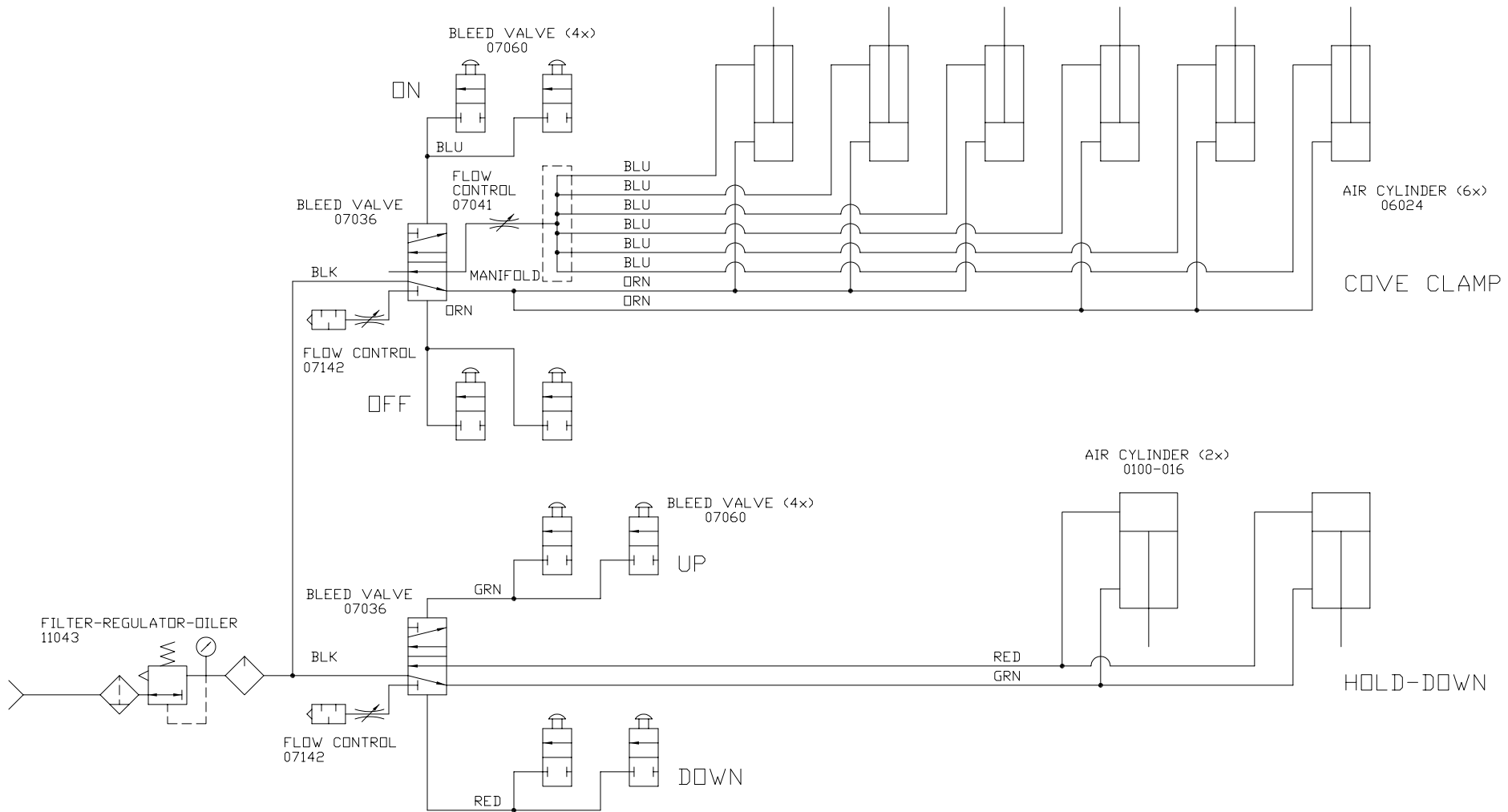
.XXX


+ 0.010

.XX/FRACTION

± 0.030

0190-ELEC-1



EVANS  MACHINERY, INC.		
SCALE : NONE	APPROVED BY:	DRAWN BY G.M.C.
DATE : OCT 31, 06		REVISED ----
0190 FORMER		
PNEUMATIC DIAGRAM		DRAWING NUMBER 0190-P