

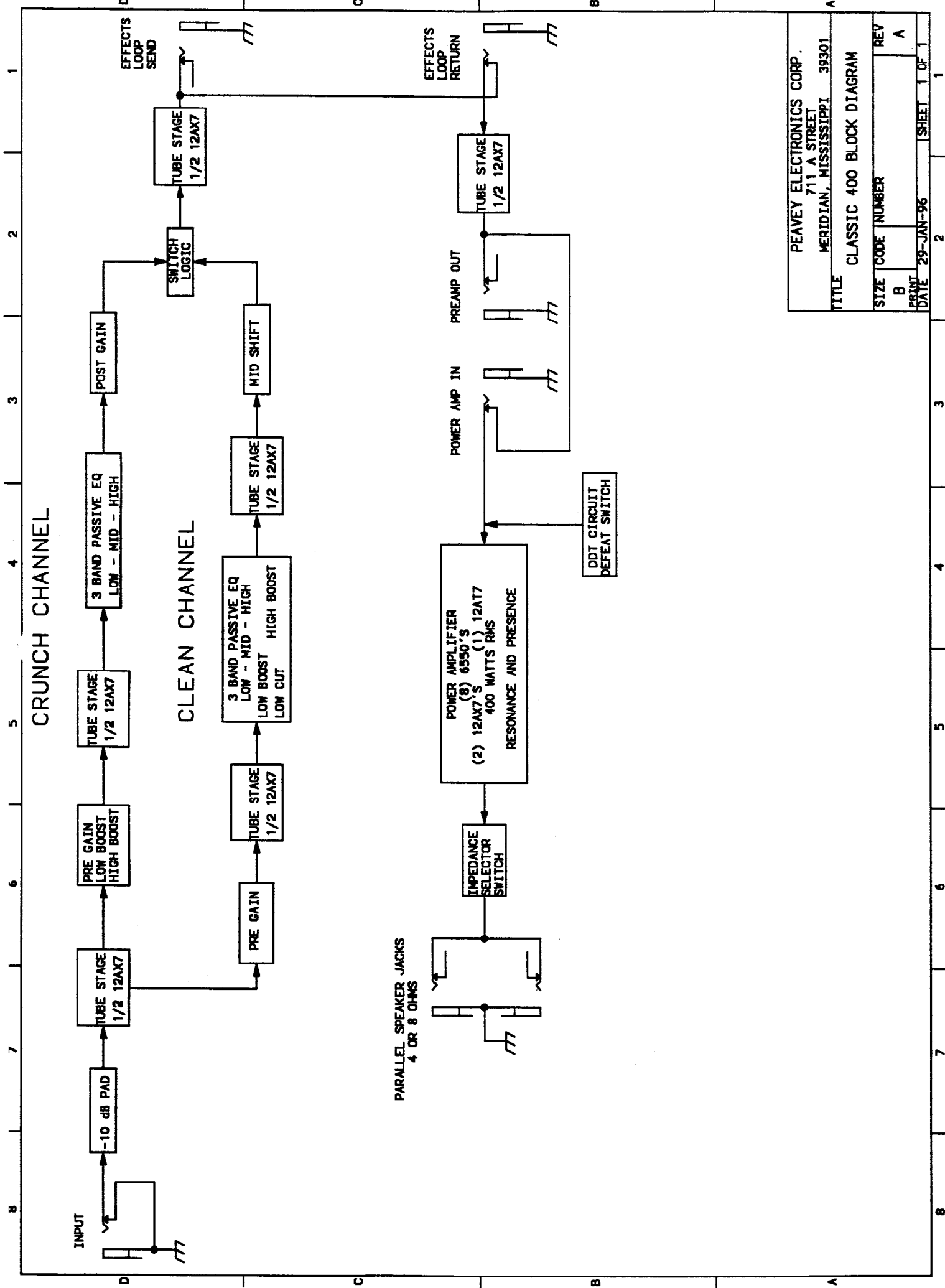
Peavey Electronics Classic 400 Bias Adjustment Procedure

Bias adjustments should only be made by qualified technical personel. There are dangerous voltages present when the unit is removed from the enclosure. Proper safety precautions should be observed to avoid hazardous electrical shock.

- 1) Remove the chassis from the enclosure.**
- 2) MAKE SURE the line voltage is at 120 volts. Adjust if necessary.**
- 3) Connect a resistive 400 watt dummy load to the amp. Make sure the impedance selector switch is set to the proper impedance.**
- 4) Plug in the amp and install the new tubes.**
- 5) Turn the power on, THE STANDBY SWITCH MUST BE IN THE OFF POSITION (standby).**
- 6) Again make sure the line voltage remains at 120 volts during the procedure. Adjust if necessary.**
- 7) Measure the bias voltage at J123. This is the single molex connector on the power supply board with the brown 22 gauge wire going to it.**
- 8) Adjust the trim POT (VR100) to get -53 to -53.5 volts (with respect to ground).**
- 9) Let the amp run in standby for 5 minutes.**
- 10) Now turn the standby switch to the on position.**
- 11) Again make sure the line voltage is at 120 volts. Adjust if necessary.**
- 12) measure the bias and readjust to get -53 to -53.5 volts (with respect to ground).**
- 13) let the amp run with the stanby switch in the ON position for 10 minutes.**
- 14) Recheck bias. Adjust if necessary.**
- 15) Turn the standy switch off (to standby). Let the tubes cool.**
- 16) Turn off the power.**

It is imperative that the line voltage be maintained at 120 volts during the procedure to ensure that the bias is set properly. This procedure sets the bias where it needs to be so when the line voltage varies (as it does from place to place) the bias will track appropriately.

DO NOT under any circumstances run the bias more positive the -53 volts. If the bias is set to -52 volts, or more positive, irreparable power tube damage will result.



PEAVEY ELECTRONICS CORP. 711 A STREET MERIDIAN, MISSISSIPPI 39301	
TITLE	CLASSIC 400 BLOCK DIAGRAM
SIZE	CODE NUMBER
PRINT	B
DATE	29-JAN-96
SHEET	1 OF 1

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

CRUNCH CHANNEL

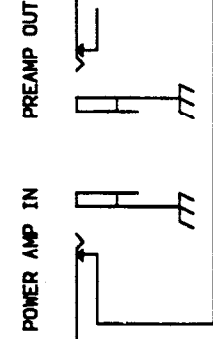
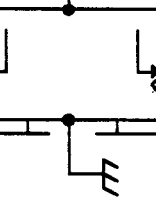
CLEAN CHANNEL

PARALLEL SPEAKER JACKS
4 OR 8 OHMS

DDT CIRCUIT
DEFECT SWITCH

POWER AMPLIFIER
(8) 6550'S (1) 12AT7
400 WATTS RMS
RESONANCE AND PRESENCE

IMPEDANCE
SELECTOR
SWITCH



POWER AMP IN

PREAMP OUT

EFFECTS LOOP
RETURN

EFFECTS LOOP
SEND

INPUT

-10 dB PAD

TUBE STAGE
1/2 12AX7

PRE GAIN
LOW BOOST
HIGH BOOST

TUBE STAGE
1/2 12AX7

3 BAND PASSIVE EQ
LOW - MID - HIGH

TUBE STAGE
1/2 12AX7

POST GAIN

TUBE STAGE
1/2 12AX7

SWITCH
LOGIC

PRE GAIN

TUBE STAGE
1/2 12AX7

3 BAND PASSIVE EQ
LOW BOOST HIGH BOOST
LOW CUT

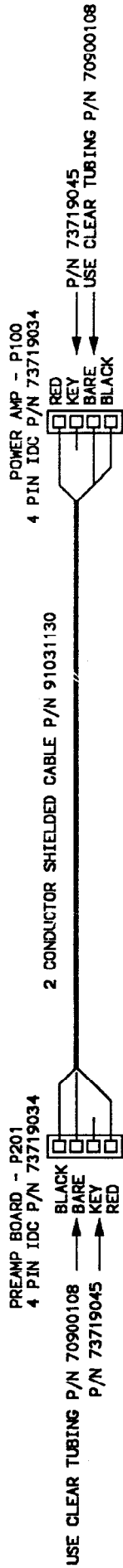
TUBE STAGE
1/2 12AX7

MID SHIFT

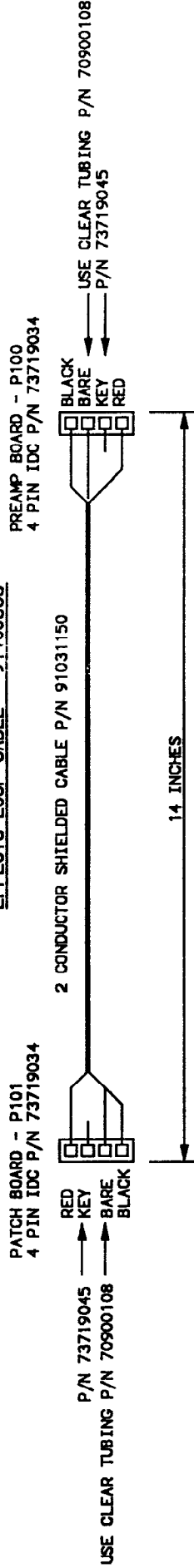
TUBE STAGE
1/2 12AX7

REV
A

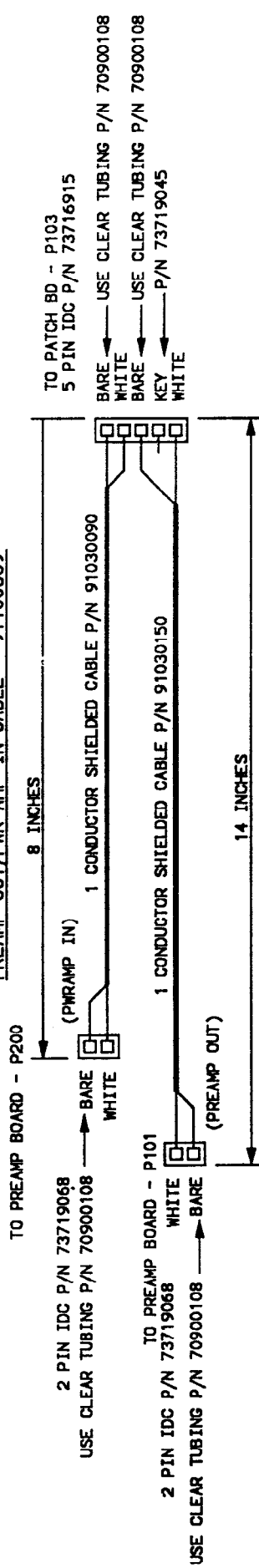
BIAS CABLE - 91100858



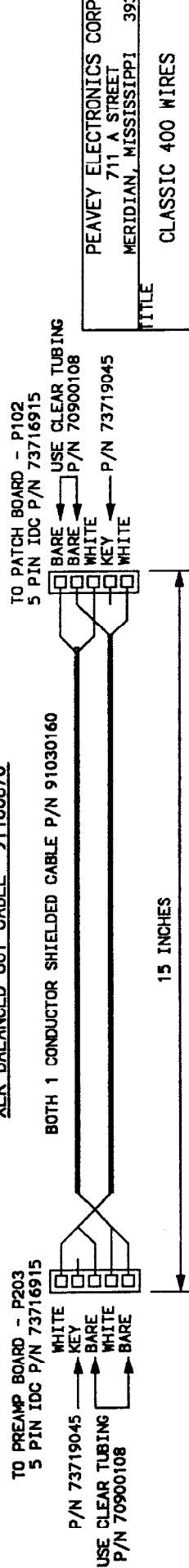
EFFECTS LOOP CABLE - 91100868



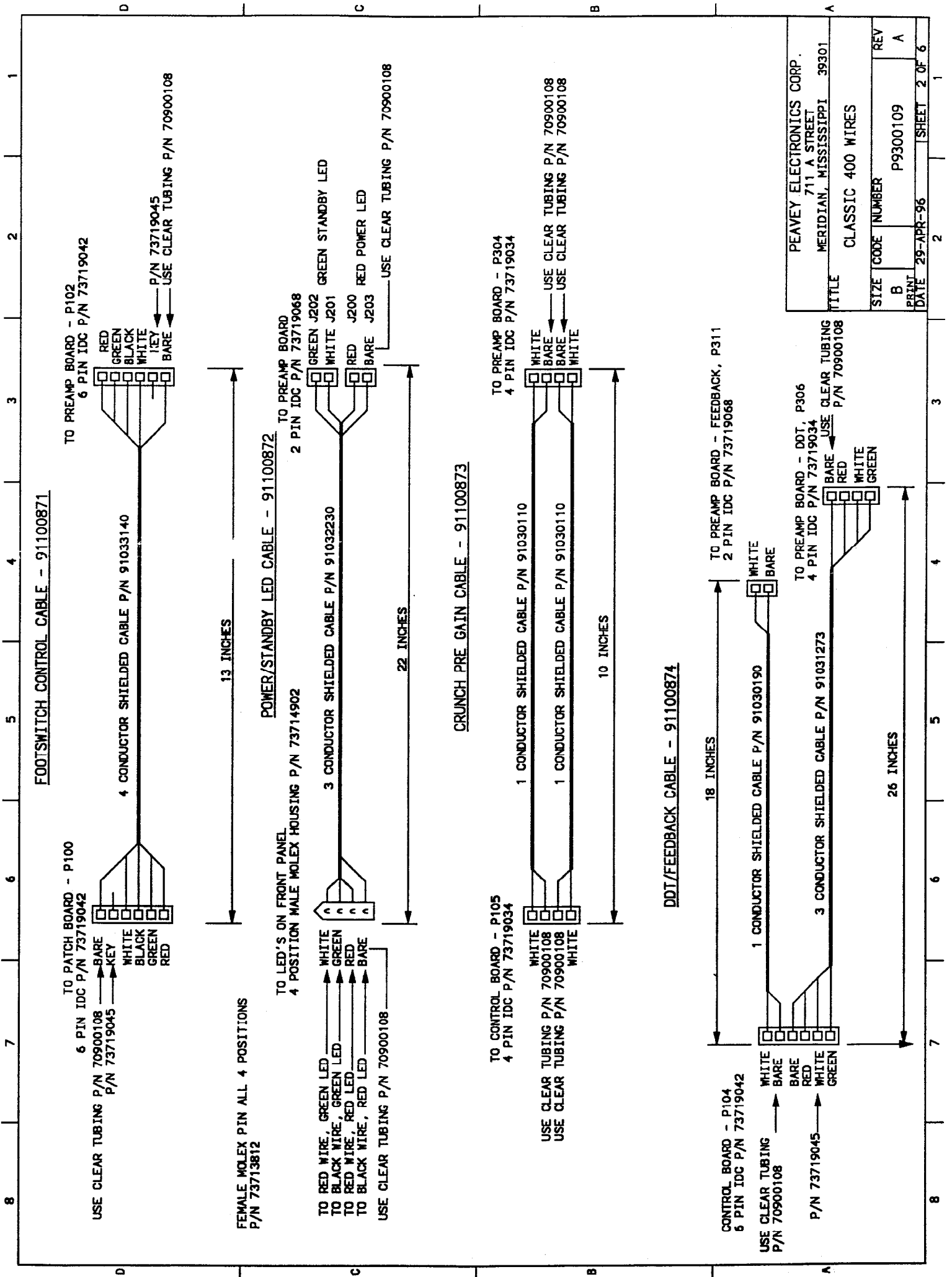
PREAMP OUT/PMR AMP IN CABLE - 91100869



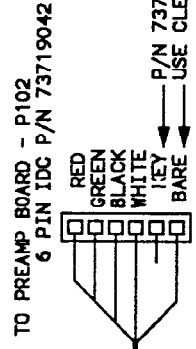
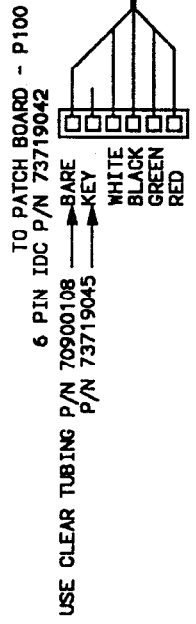
XLR BALANCED OUT CABLE - 91100870



TITLE		PEAVEY ELECTRONICS CORP.	
SIZE		711 A STREET	
PRINT		MERIDIAN, MISSISSIPPI 39301	
DATE		CLASSIC 400 WIRES	
REV		P9300109	
SHEET		1 OF 6	



FOOTSWITCH CONTROL CABLE - 91100871



4 CONDUCTOR SHIELDED CABLE P/N 91033140

13 INCHES

FEMALE MOLEX PIN ALL 4 POSITIONS
P/N 73713812

POWER/STANDBY LED CABLE - 91100872



3 CONDUCTOR SHIELDED CABLE P/N 91032230

GREEN STANDBY LED
RED POWER LED

22 INCHES

CRUNCH PRE GAIN CABLE - 91100873

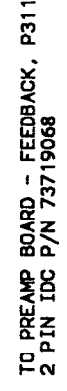


1 CONDUCTOR SHIELDED CABLE P/N 91030110

1 CONDUCTOR SHIELDED CABLE P/N 91030110

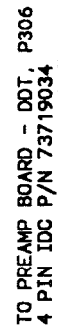
10 INCHES

DDT/FEEDBACK CABLE - 91100874



1 CONDUCTOR SHIELDED CABLE P/N 91030190

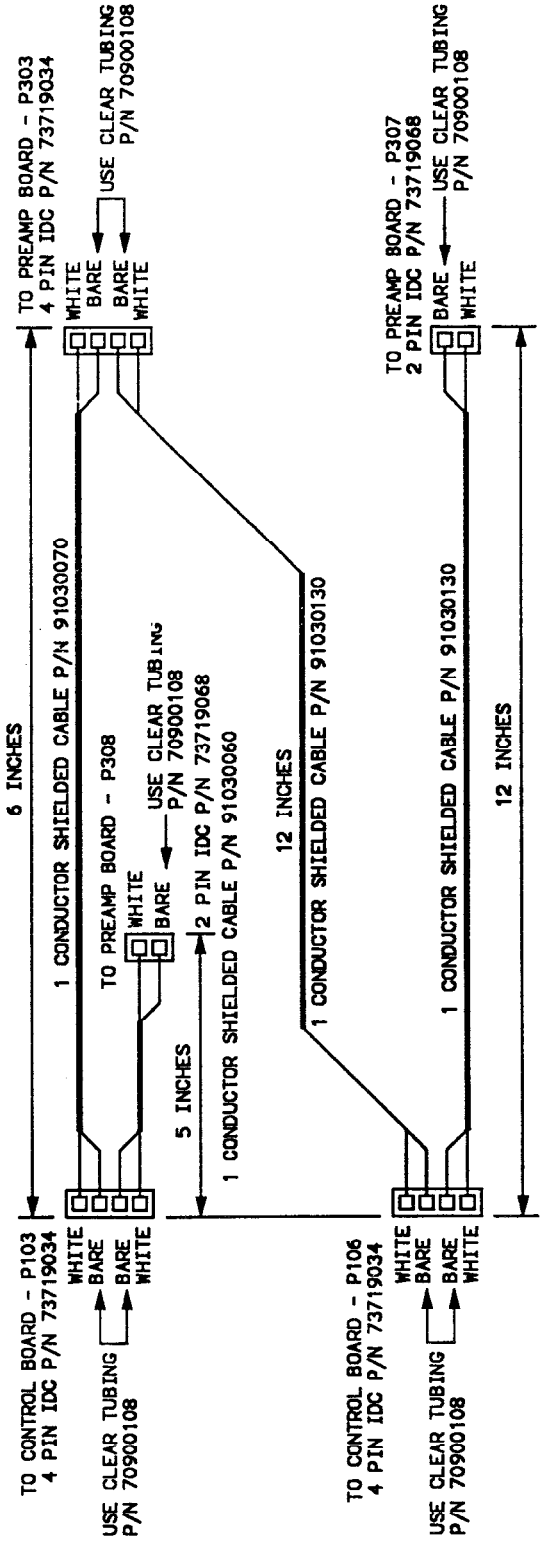
3 CONDUCTOR SHIELDED CABLE P/N 91031273



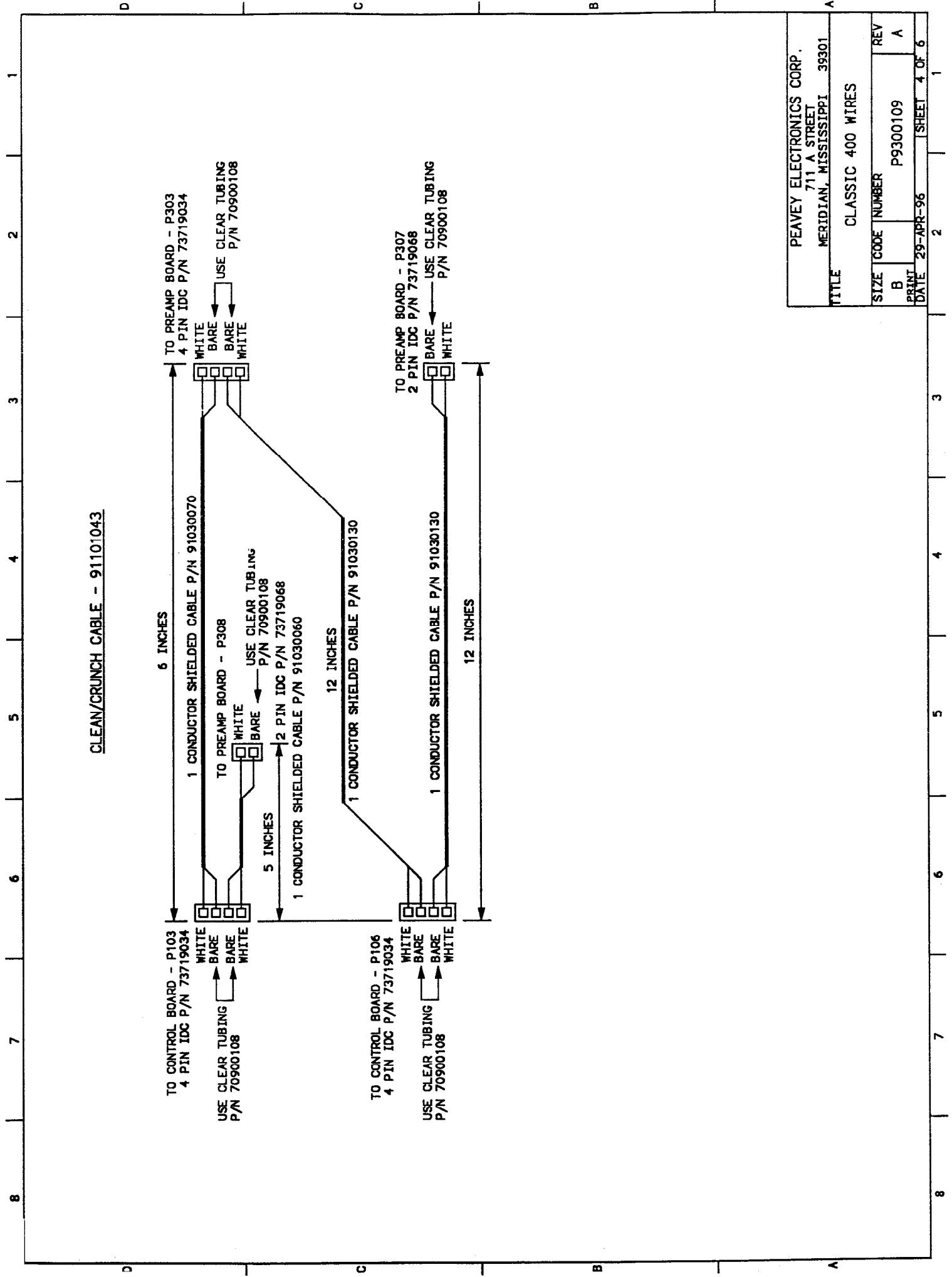
26 INCHES

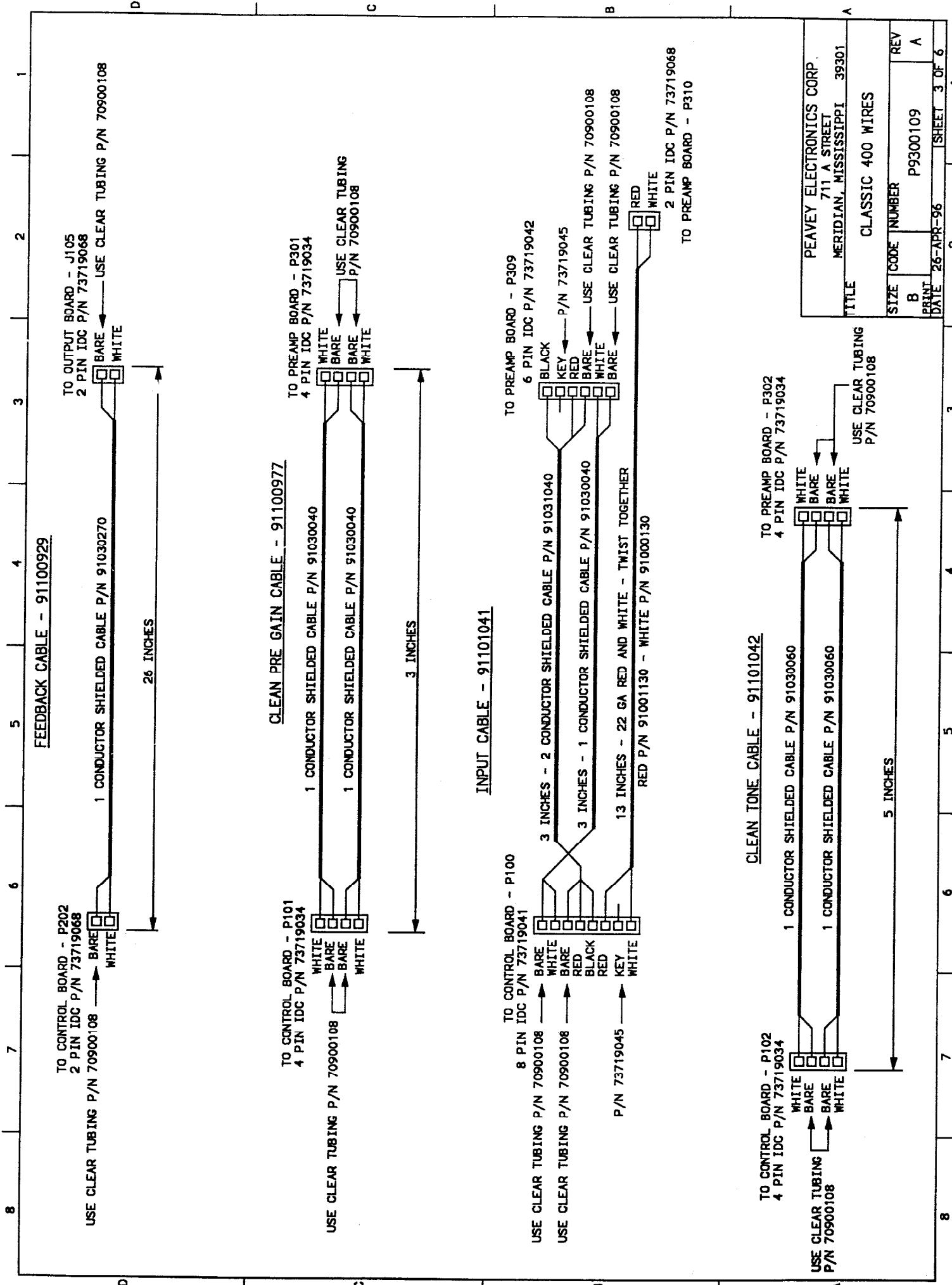
PEAVEY ELECTRONICS CORP. 711 A STREET MERIDIAN, MISSISSIPPI 39301	
TITLE	CLASSIC 400 WIRES
SIZE	B
CODE	NUMBER
PRINT	P9300109
DATE	29-APR-96
REV	A
SHEET 2 OF 6	

CLEAN/CRUNCH CABLE - 91101043



PEAVEY ELECTRONICS CORP. 711 A STREET MERIDIAN, MISSISSIPPI 39301	
TITLE CLASSIC 400 WIRES	
SIZE B	REV A
PRINT DATE 29-APR-96	P9300109
SHEET 4 OF 6	





TITLE		CLASSIC 400 WIRES	
PEAVEY ELECTRONICS CORP. 711 A STREET MERIDIAN, MISSISSIPPI 39301		SIZE	REV
B	PRINT	P9300109	A
DATE	26-APR-96	SHEET 3 OF 6	

BIAS POWER SUPPLY CABLE - 91101044

TO POWER AMP BOARD - J102
SINGLE POSITION HOUSING P/N 73716192

FEMALE MOLEX PIN P/N 73730007 **PMR AMP B-**

19 INCHES - 22 GA BROWN WIRE P/N 91016192

PMR SUP B-

TO POWER SUPPLY BOARD - J123
SINGLE POSITION HOUSING P/N 73716192
FEMALE MOLEX PIN P/N 73730007

SCREEN AND PREAMP POWER CABLE - 91101045

3 POSITION HOUSING
P/N 73713962

FEMALE MOLEX PIN P/N 73730007
MALE MOLEX PIN P/N 73730008

TO POWER SUPPLY BOARD - J111, J104

5 INCHES 18 GA BLACK WIRE P/N 91090100

TO POWER AMP BOARD - J107
FEMALE MOLEX PIN P/N 73730007

9 INCHES - 18 GA BLUE WIRE P/N 91014099
1 POS. MALE HOUSING
P/N 73716192

8 INCHES - 18 GA RED WIRE P/N 91090119
1 POS. MALE HOUSING
P/N 73716192

TO POWER SUPPLY BOARD - J109
MALE MOLEX PIN P/N 73730008

PREAMP V+

TO PREAMP BOARD, J212, 213
3 POSITION HOUSING
P/N 73713962

FEMALE MOLEX PIN P/N 73730007
MALE MOLEX PIN P/N 73730008

PREAMP LOW VOLTAGE SUPPLY CABLE - 91101046

TO POWER SUPPLY BOARD - J113, J114, J115
3 POSITION HOUSING P/N 73713962

MALE MOLEX PIN P/N 73730008 J115
FEMALE MOLEX PIN P/N 73730007 J114
MALE MOLEX PIN P/N 73730008 J113

9 INCHES 18 GA BLACK WIRE P/N 91010092
9 INCHES 18 GA RED WIRE P/N 91012097

6 INCHES 22 GA RED WIRE P/N 91001063

TO POWER SUPPLY BOARD - J121, J118
3 POSITION HOUSING P/N 73713962

MALE MOLEX PIN P/N 73730008 15V-
FEMALE MOLEX PIN P/N 73730007 15V+

8 INCHES 22 GA WHITE WIRE P/N 91000985
8 INCHES 22 GA RED WIRE P/N 91001085

TO PREAMP BOARD - J219, J217, J216
3 POSITION HOUSING P/N 73713962

FILAMENT GND
FEMALE MOLEX PIN P/N 73730007
24 V+ FILAMENT
MALE MOLEX PIN P/N 73730008

PREAMP A.C. FILAMENT CABLE - 91101749

TO POWER SUPPLY BOARD - J126, J127
3 CONDUCTOR HOUSING P/N 73713962

MALE MOLEX PIN P/N 73730008
MALE MOLEX PIN P/N 73730008

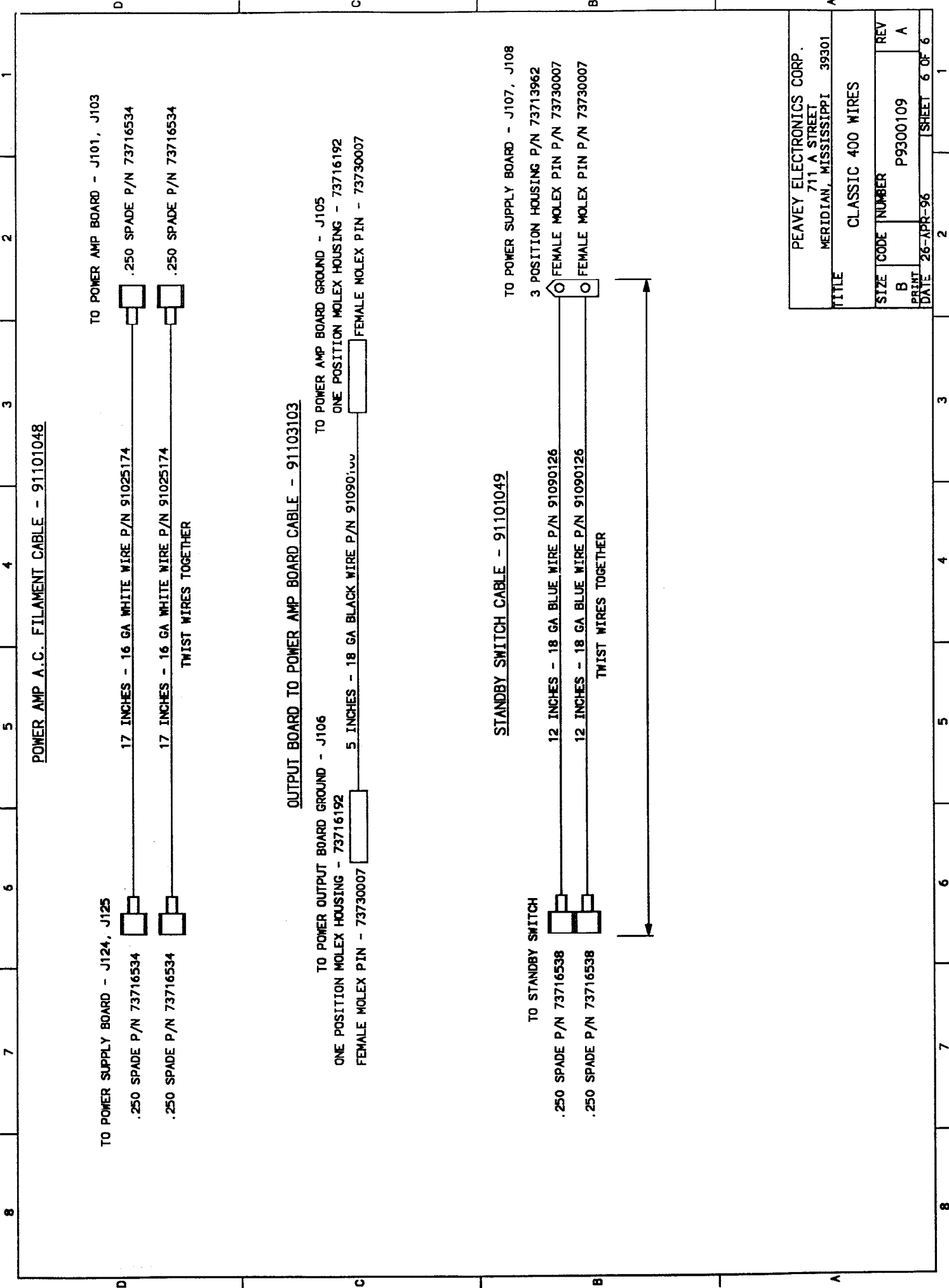
14 INCHES - 18 GA WHITE WIRE P/N 91011149
14 INCHES - 18 GA WHITE WIRE P/N 91011149

TWIST WIRES TOGETHER

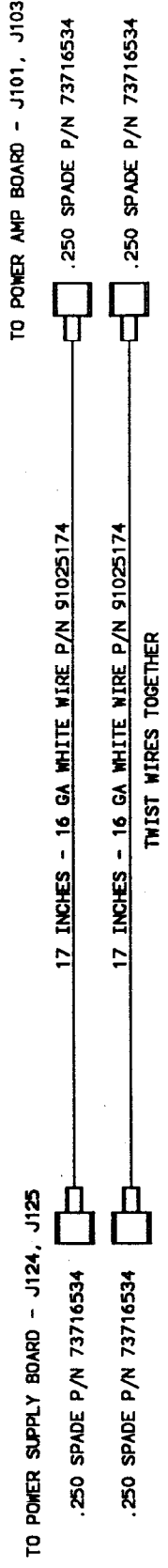
TO PREAMP BOARD - J204, J205
3 CONDUCTOR HOUSING P/N 73713962

MALE MOLEX PIN P/N 73730008
MALE MOLEX PIN P/N 73730008

PEAVEY ELECTRONICS CORP. 711 A STREET MERIDIAN, MISSISSIPPI 39301	
TITLE CLASSIC 400 WIRES	
SIZE B	CODE NUMBER P9300109
PRINT DATE 26-APR-96	REV A
SHEET 5 OF 6	



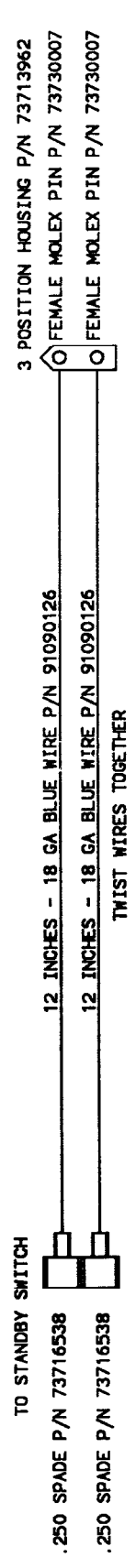
POWER AMP A.C. FILAMENT CABLE - 91101048



OUTPUT BOARD TO POWER AMP BOARD CABLE - 91103103



STANDBY SWITCH CABLE - 91101049



PEAVEY ELECTRONICS CORP. 711 A STREET MERIDIAN, MISSISSIPPI 39301	
TITLE CLASSIC 400 WIRES	
SIZE CODE B	NUMBER P9300109
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SHEET 6 OF 6	