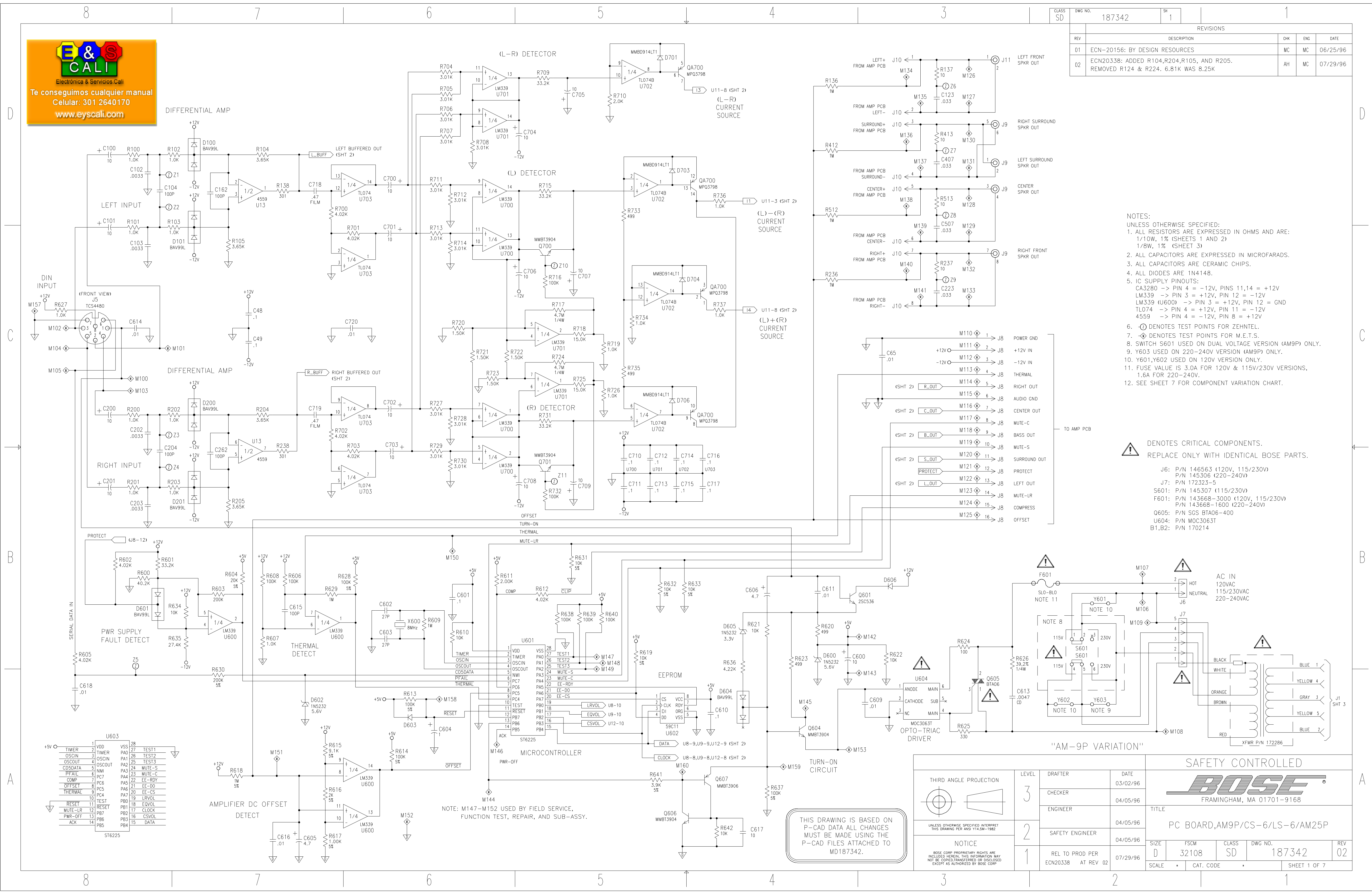




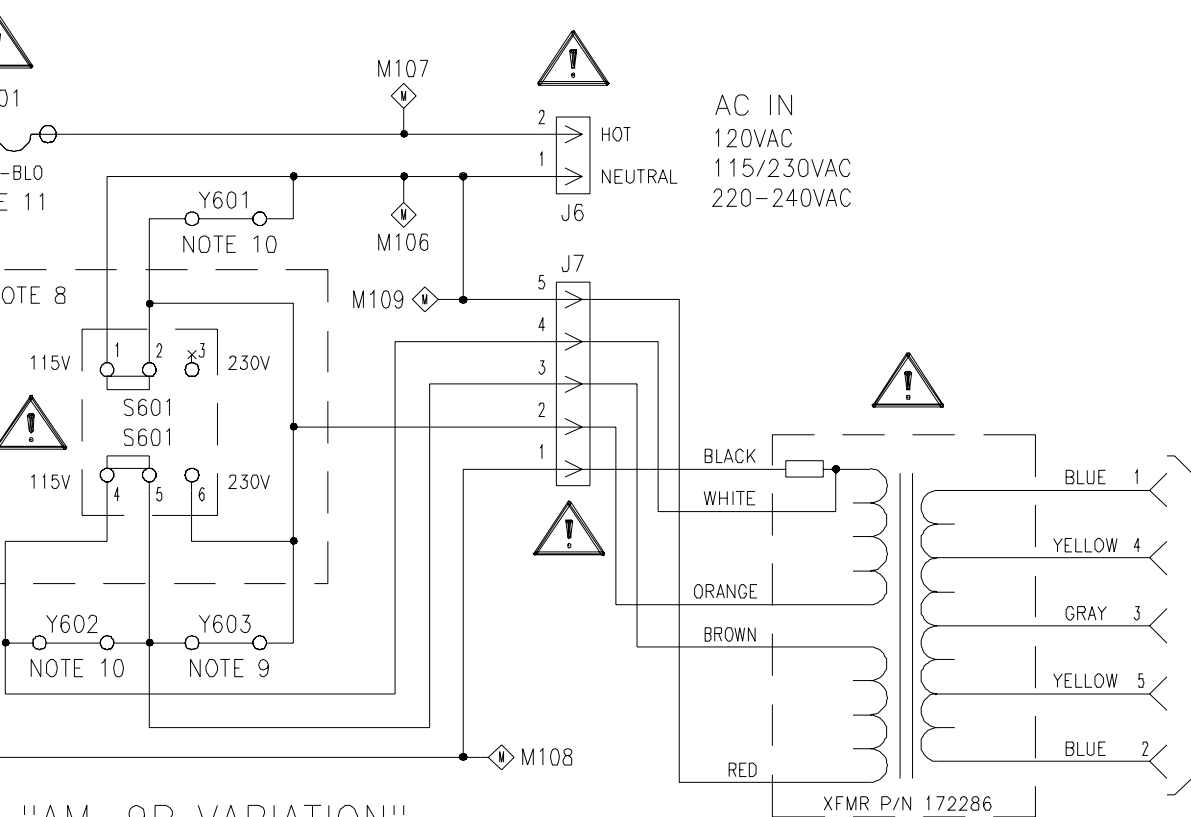
CLASS	DWG NO.	SR	REVISIONS		
			REV	DESCRIPTION	CHK
SD	187342	1	01	ECN-20156: BY DESIGN RESOURCES	MC
			02	ECN20338: ADDED R104,R204,R105, AND R205. REMOVED R124 & R224. 6.81K WAS 8.25K	MC



- NOTES:
- UNLESS OTHERWISE SPECIFIED:
1. ALL RESISTORS ARE EXPRESSED IN OHMS AND ARE:
1/10W, 1% (SHEETS 1 AND 2)
1/8W, 1% (SHEET 3)
 - ALL CAPACITORS ARE EXPRESSED IN MICROFARADS.
 - ALL CAPACITORS ARE CERAMIC CHIPS.
 - ALL DIODES ARE 1N4148.
 - IC SUPPLY PINOUTS:
CA3280 -> PIN 4 = -12V, PINS 11,14 = +12V
LM339 -> PIN 3 = +12V, PIN 12 = -12V
LM339 (U600) -> PIN 3 = +12V, PIN 12 = GND
TL074 -> PIN 4 = +12V, PIN 11 = -12V
4559 -> PIN 4 = -12V, PIN 8 = +12V
 - ⊙ DENOTES TEST POINTS FOR ZEHNTEL.
 - ⊙ DENOTES TEST POINTS FOR M.E.T.S.
 - SWITCH S601 USED ON DUAL VOLTAGE VERSION (AM9P) ONLY.
 - Y603 USED ON 220-240V VERSION (AM9P) ONLY.
 - Y601,Y602 USED ON 120V VERSION ONLY.
 - FUSE VALUE IS 3.0A FOR 120V & 115V/230V VERSIONS,
1.6A FOR 220-240V.
 - SEE SHEET 7 FOR COMPONENT VARIATION CHART.

⚠ DENOTES CRITICAL COMPONENTS.
REPLACE ONLY WITH IDENTICAL BOSE PARTS.

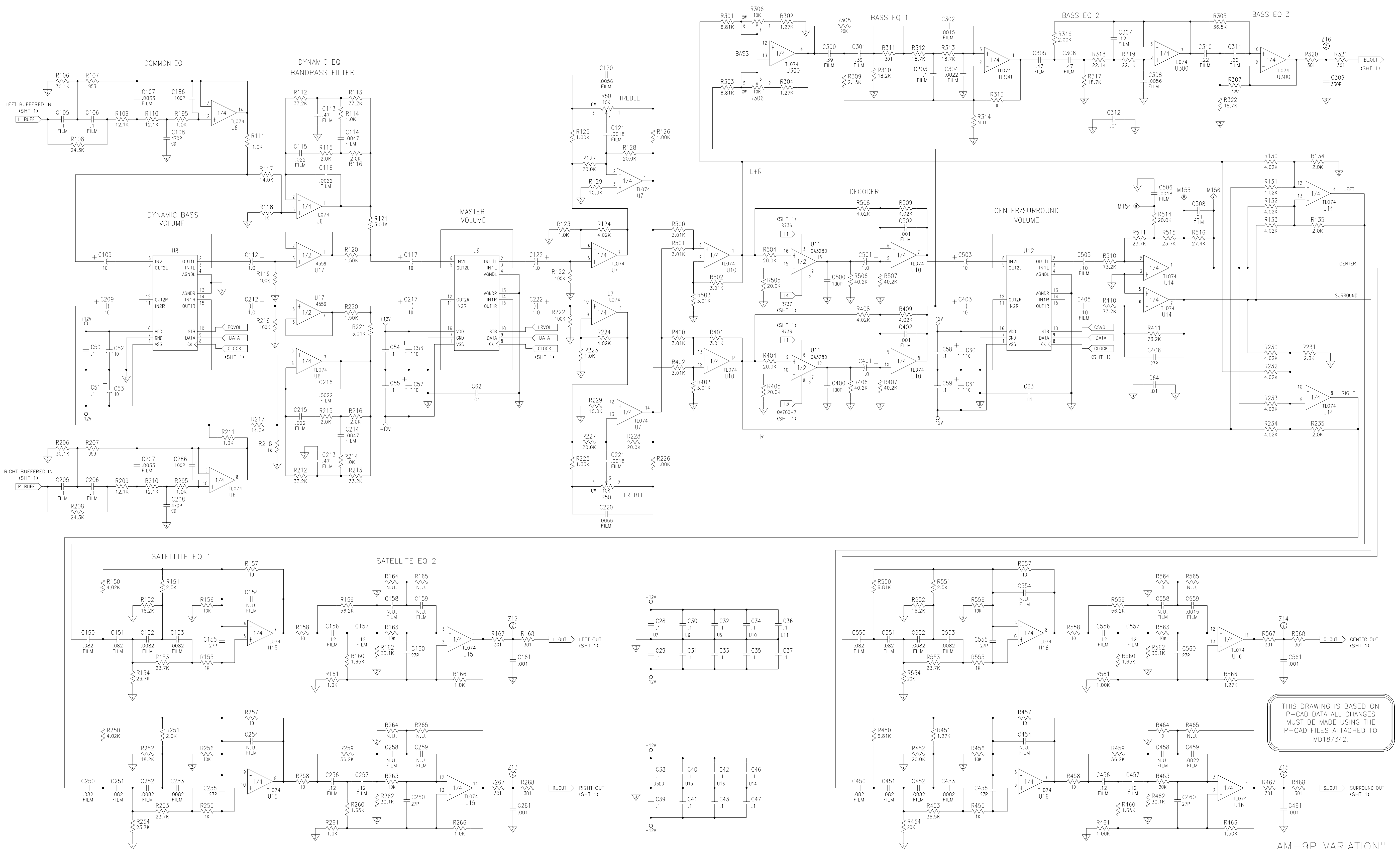
- J6: P/N 146563 (120V, 115/230V)
P/N 145306 (220-240V)
J7: P/N 172323-5
S601: P/N 145307 (115/230V)
F601: P/N 143668-3000 (120V, 115/230V)
P/N 143668-1600 (220-240V)
Q605: P/N SGS BTA06-400
U604: P/N MOC3063T
B1,B2: P/N 170214

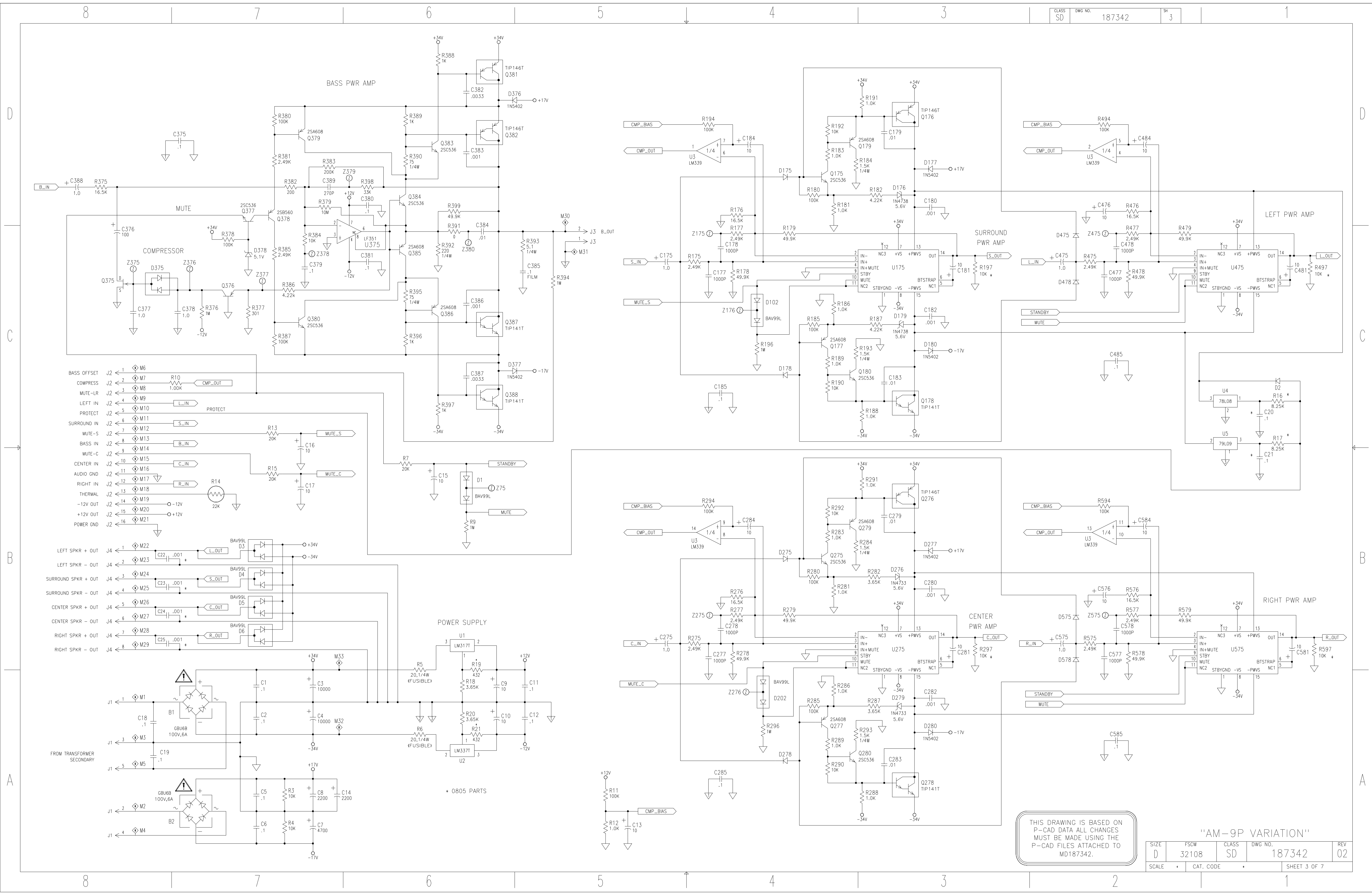


"AM-9P VARIATION"

SAFETY CONTROLLED				
FRAMINGHAM, MA 01701-9168				
TITLE				
PC BOARD,AM9P/CS-6/LS-6/AM25P				
SIZE	FSCM	CLASS	DWG NO.	REV
D	32108	SD	187342	02
SCALE		CAT. CODE	SHEET 1 OF 7	

THIS DRAWING IS BASED ON P-CAD DATA ALL CHANGES MUST BE MADE USING THE P-CAD FILES ATTACHED TO MD187342.





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P-CAD DATA ALL CHANGES
MUST BE MADE USING THE
P-CAD FILES ATTACHED TO
MD187342.

"AM-9P VARIATION"				
SIZE	FSCM	CLASS	DWG NO.	REV
D	32108	SD	187342	02
SCALE		CAT. CODE		SHEET 3 OF 7

D

C

B

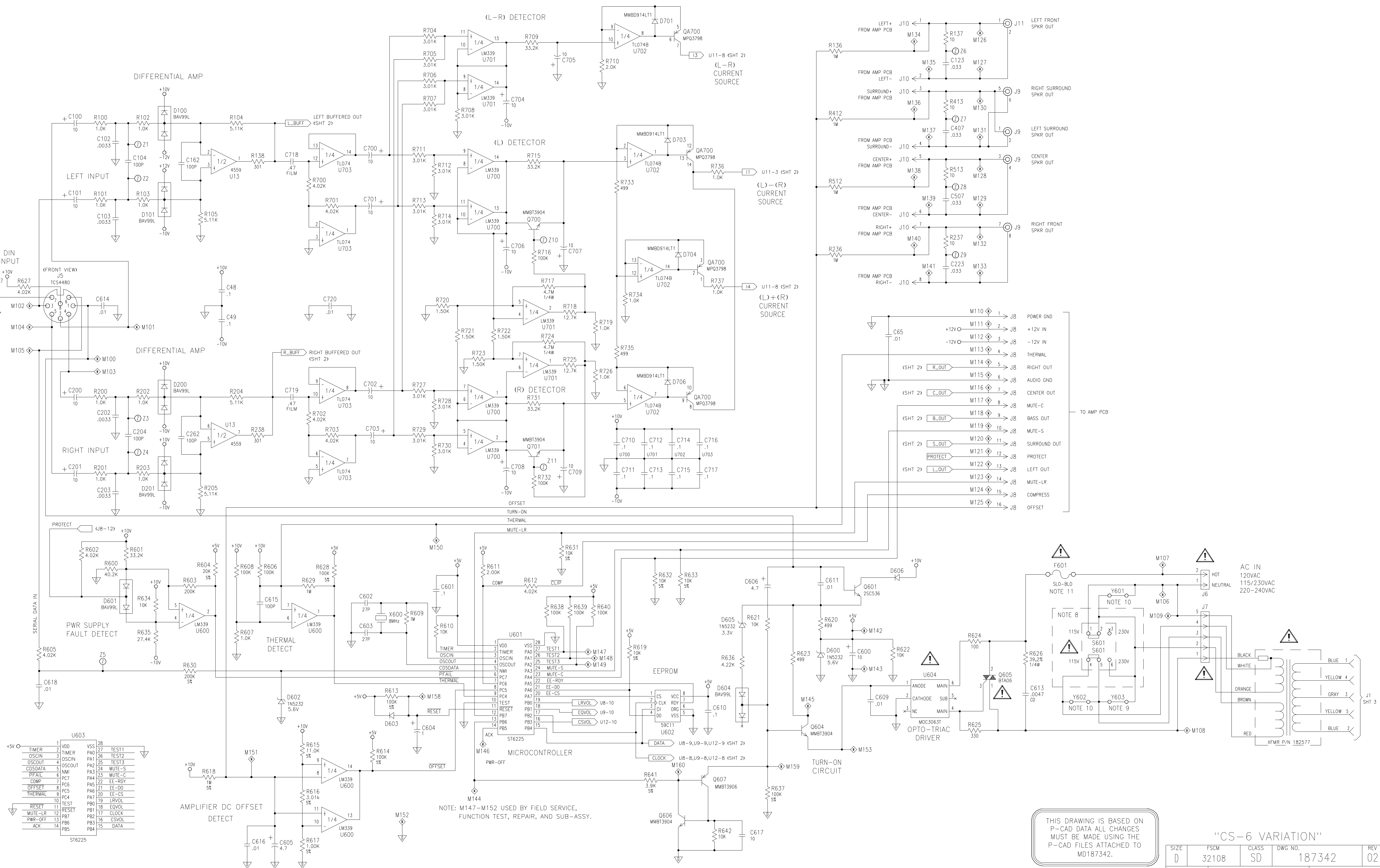
A

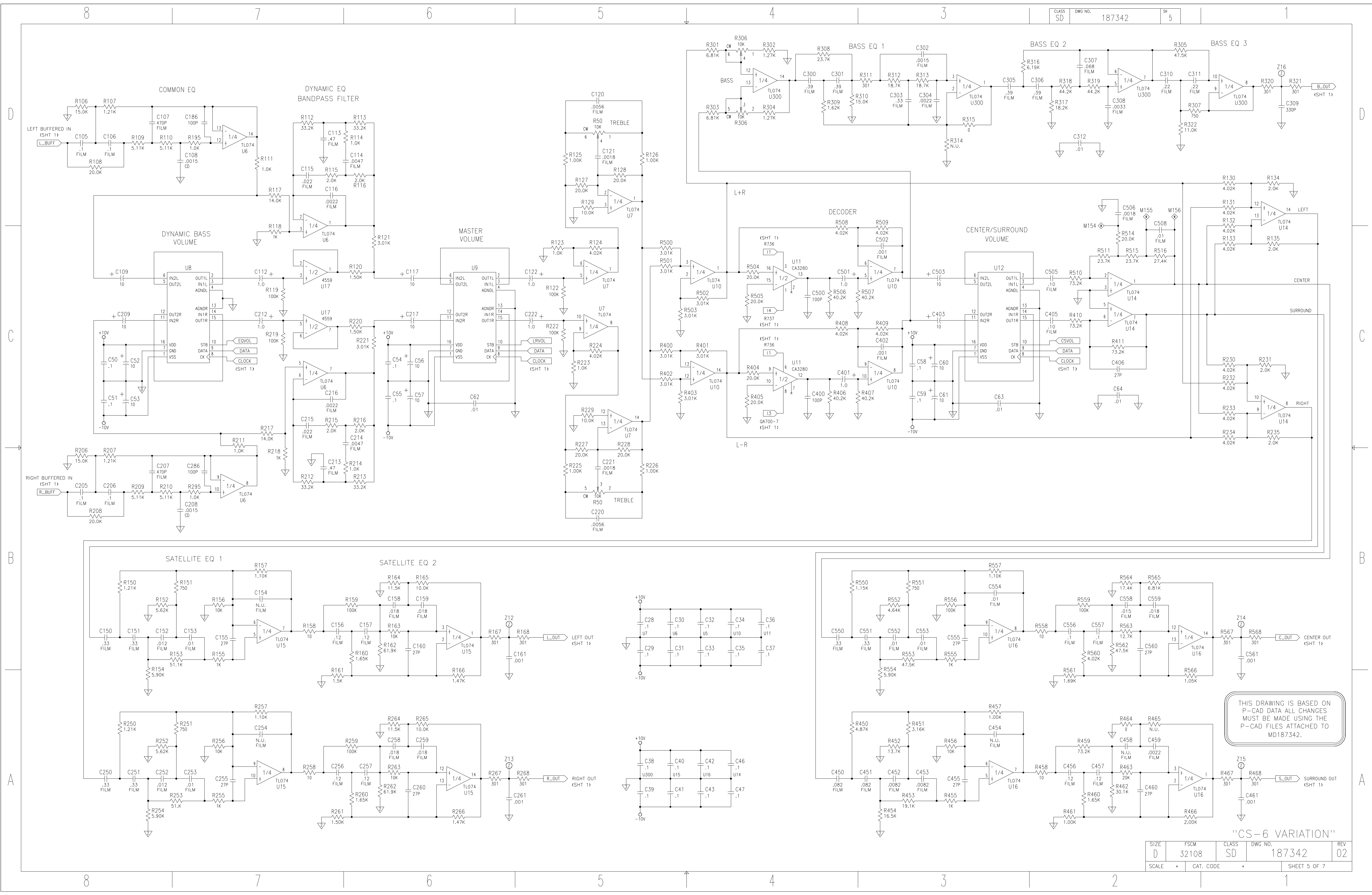
D

C

B

A

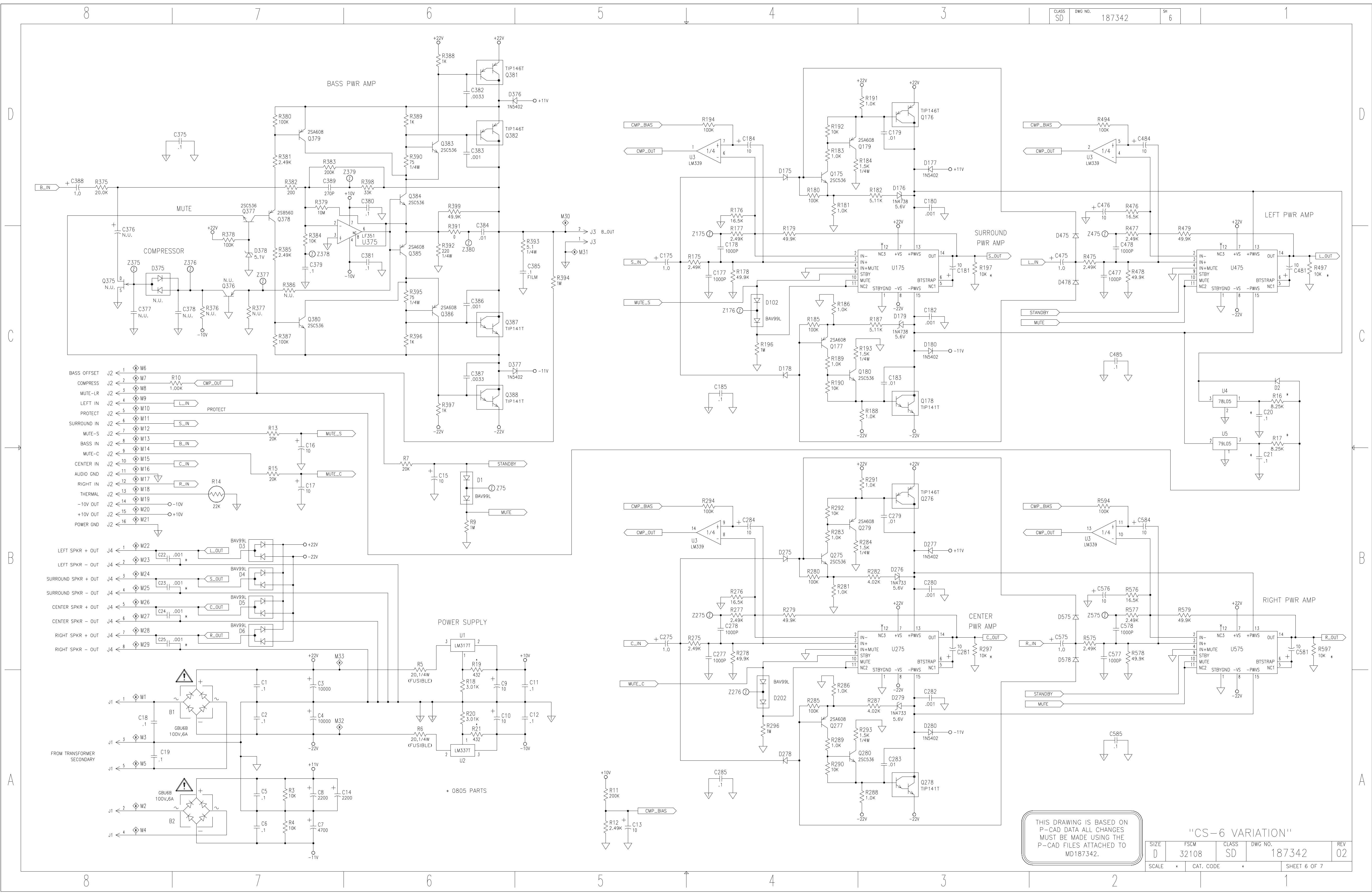




THIS DRAWING IS BASED ON
P-CAD DATA ALL CHANGES
MUST BE MADE USING THE
P-CAD FILES ATTACHED TO
MD187342.

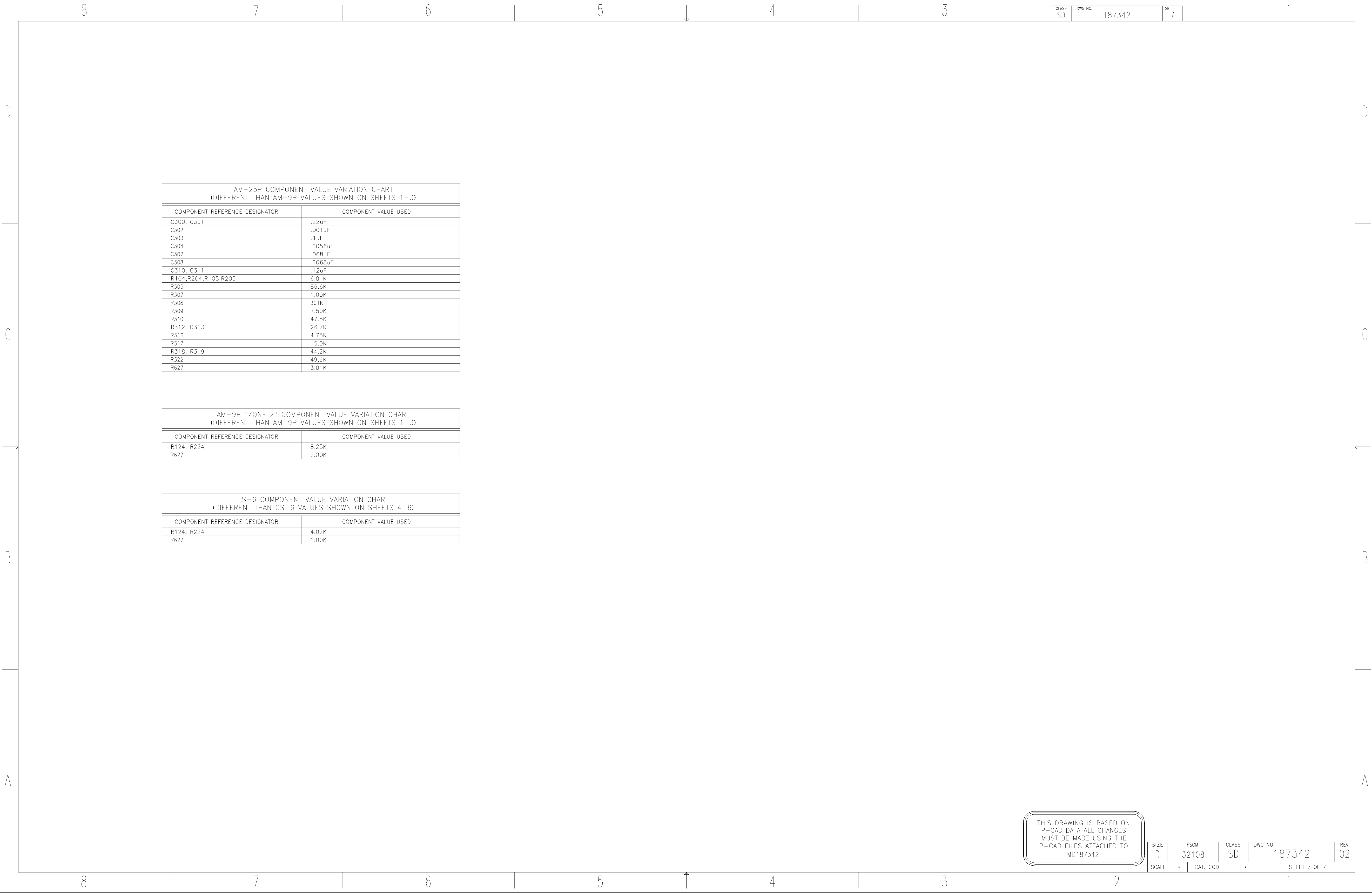
"CS-6 VARIATION"

SIZE	FSCM	CLASS	DWG NO.	REV
D	32108	SD	187342	02
SCALE		CAT. CODE	SHEET 5 OF 7	



THIS DRAWING IS BASED ON
P-CAD DATA ALL CHANGES
MUST BE MADE USING THE
P-CAD FILES ATTACHED TO
MD187342.

"CS-6 VARIATION"				
SIZE	FSCM	CLASS	DWG. NO.	REV
D	32108	SD	187342	02
SCALE		CAT. CODE	SHEET 6 OF 7	



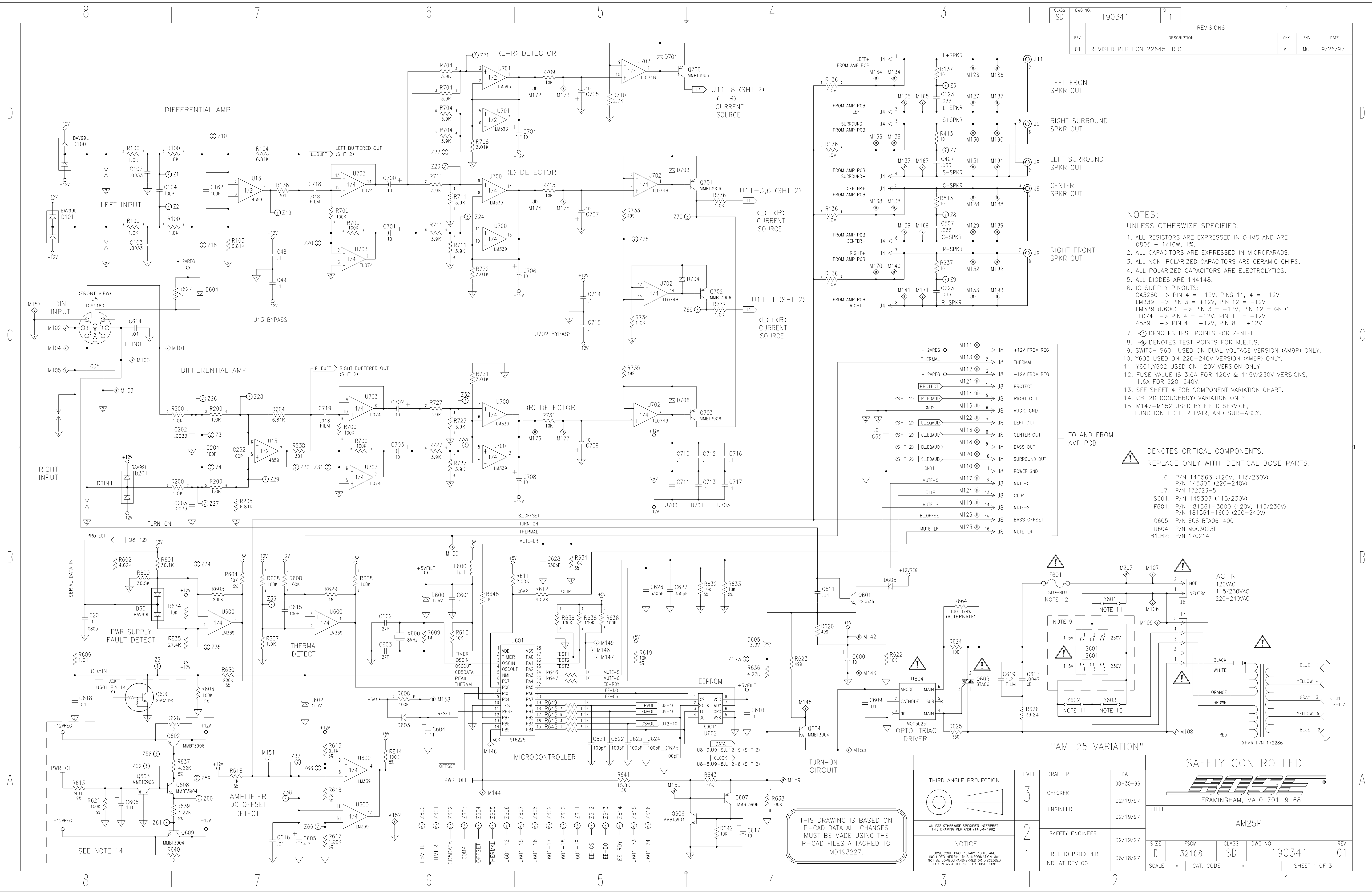
AM-25P COMPONENT VALUE VARIATION CHART (DIFFERENT THAN AM-9P VALUES SHOWN ON SHEETS 1-3)	
COMPONENT REFERENCE DESIGNATOR	COMPONENT VALUE USED
C300, C301	.22uF
C302	.001uF
C303	.1uF
C304	.0056uF
C307	.068uF
C308	.0068uF
C310, C311	.12uF
R104,R204,R105,R205	6.81K
R305	86.6K
R307	1.00K
R308	301K
R309	7.50K
R310	47.5K
R312, R313	26.7K
R316	4.75K
R317	15.0K
R318, R319	44.2K
R322	49.9K
R627	3.01K

AM-9P "ZONE 2" COMPONENT VALUE VARIATION CHART (DIFFERENT THAN AM-9P VALUES SHOWN ON SHEETS 1-3)	
COMPONENT REFERENCE DESIGNATOR	COMPONENT VALUE USED
R124, R224	8.25K
R627	2.00K

LS-6 COMPONENT VALUE VARIATION CHART (DIFFERENT THAN CS-6 VALUES SHOWN ON SHEETS 4-6)	
COMPONENT REFERENCE DESIGNATOR	COMPONENT VALUE USED
R124, R224	4.02K
R627	1.00K

THIS DRAWING IS BASED ON
P-CAD DATA ALL CHANGES
MUST BE MADE USING THE
P-CAD FILES ATTACHED TO
MD187342.

SIZE	FSCM	CLASS	DWG NO.	REV
D	32108	SD	187342	02
SCALE		CAT. CODE		SHEET 7 OF 7



CLASS	DWG NO.	SH				
SD	190341	1				
	REVISIONS					
REV	DESCRIPTION			CHK	ENG	DATE
01	REVISED PER ECN 22645 R.O.			AH	MC	9/26/97

- NOTES:
- UNLESS OTHERWISE SPECIFIED:
- ALL RESISTORS ARE EXPRESSED IN OHMS AND ARE:
0805 - 1/10W, 1%.
 - ALL CAPACITORS ARE EXPRESSED IN MICROFARADS.
 - ALL NON-POLARIZED CAPACITORS ARE CERAMIC CHIPS.
 - ALL POLARIZED CAPACITORS ARE ELECTROLYTICS.
 - ALL DIODES ARE 1N4148.
 - IC SUPPLY PINOUTS:
CA3280 -> PIN 4 = -12V, PINS 11,14 = +12V
LM339 -> PIN 3 = +12V, PIN 12 = -12V
LM339 (U600) -> PIN 3 = +12V, PIN 12 = GND1
TL074 -> PIN 4 = +12V, PIN 11 = -12V
4559 -> PIN 4 = -12V, PIN 8 = +12V
 - ⊕ DENOTES TEST POINTS FOR ZENTEL.
 - ⊖ DENOTES TEST POINTS FOR M.E.T.S.
 - SWITCH S601 USED ON DUAL VOLTAGE VERSION (AM9P) ONLY.
 - Y603 USED ON 220-240V VERSION (AM9P) ONLY.
 - Y601,Y602 USED ON 120V VERSION ONLY.
 - FUSE VALUE IS 3.0A FOR 120V & 115V/230V VERSIONS,
1.6A FOR 220-240V.
 - SEE SHEET 4 FOR COMPONENT VARIATION CHART.
 - CB-20 (COUCHBOY) VARIATION ONLY
 - M147-M152 USED BY FIELD SERVICE,
FUNCTION TEST, REPAIR, AND SUB-ASSY.

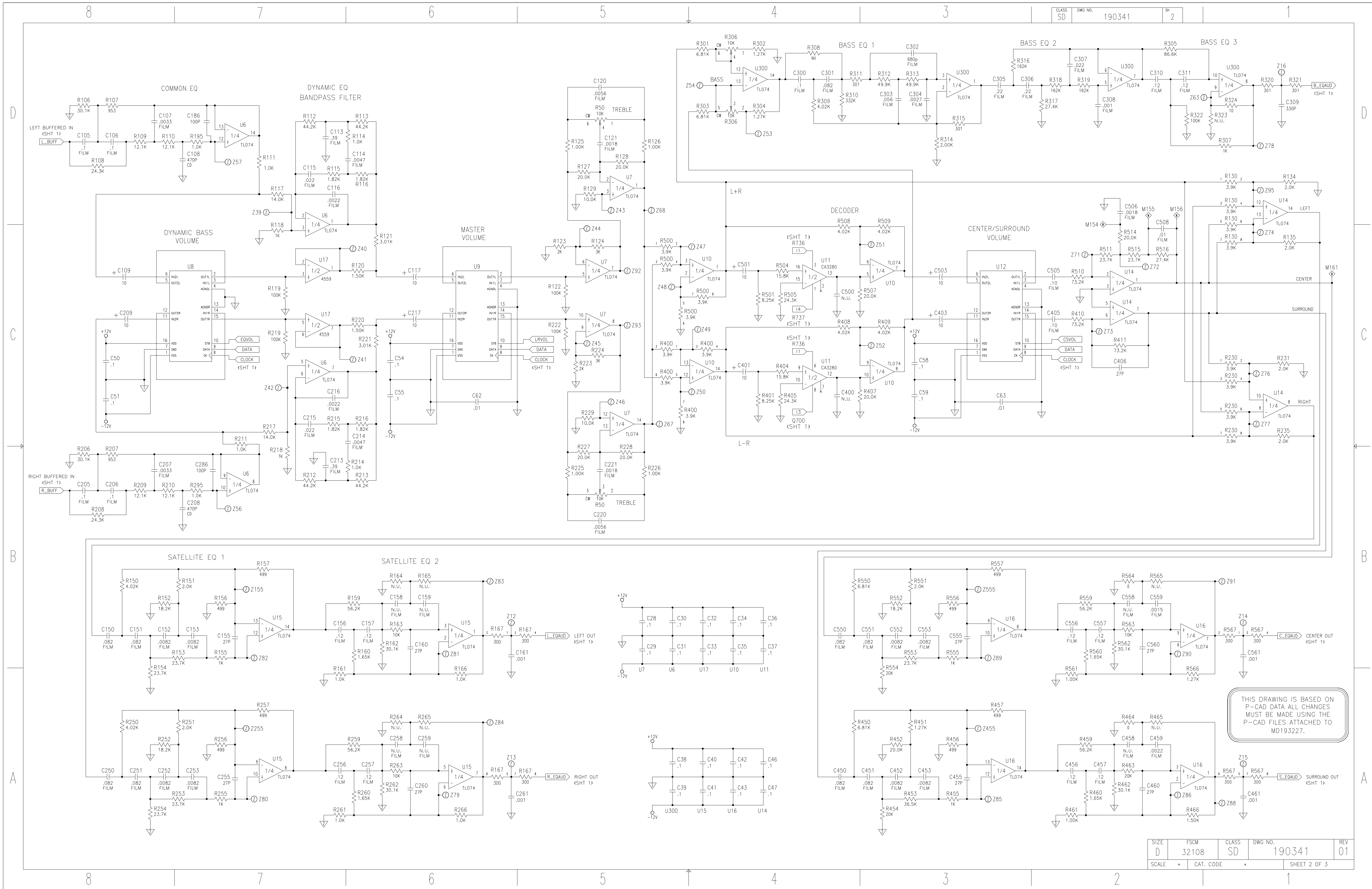
⚠ DENOTES CRITICAL COMPONENTS.
REPLACE ONLY WITH IDENTICAL BOSE PARTS.

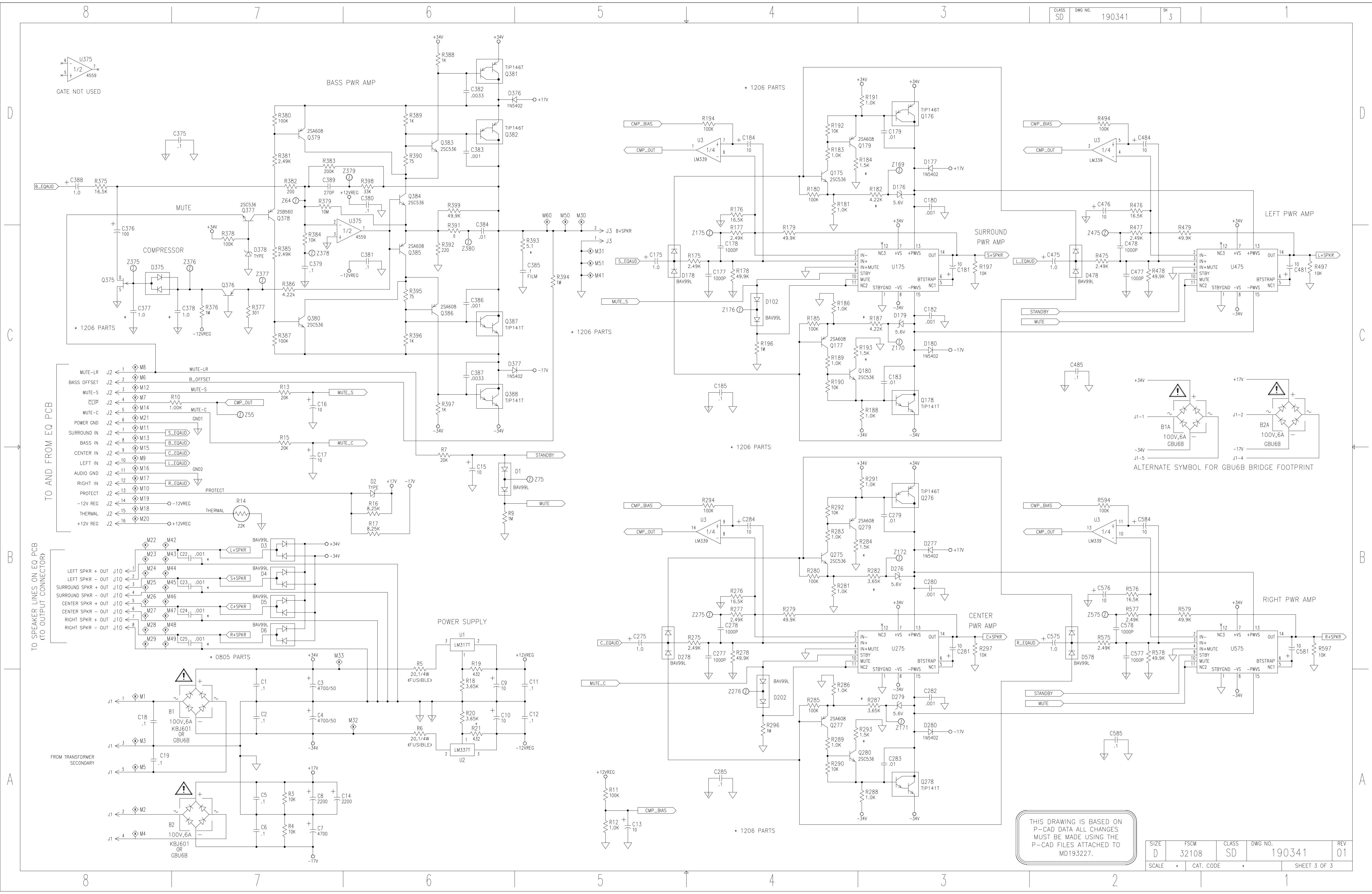
- J6: P/N 146563 (120V, 115/230V)
P/N 145306 (220-240V)
J7: P/N 172323-5
S601: P/N 145307 (115/230V)
F601: P/N 181561-3000 (120V, 115/230V)
P/N 181561-1600 (220-240V)
Q605: P/N SGS BTA06-400
U604: P/N MOC3023T
B1,B2: P/N 170214

"AM-25 VARIATION"

THIRD ANGLE PROJECTION		LEVEL	DRAFTER	DATE	SAFETY CONTROLLED	
UNLESS OTHERWISE SPECIFIED INTERPRET THIS DRAWING PER ANSI Y14.5M-1982		3	CHECKER	08-30-96	 FRAMINGHAM, MA 01701-9168	
		2	ENGINEER	02/19/97		
		1	SAFETY ENGINEER	02/19/97		
NOTICE		REL TO PROD PER	NDI AT REV 00	06/18/97	TITLE	
BOSE CORP PROPRIETARY RIGHTS ARE INCLUDED HEREIN. THIS INFORMATION MAY NOT BE COPIED, TRANSMITTED OR DISCLOSED EXCEPT AS AUTHORIZED BY BOSE CORP.		SCALE	D	FSCM	32108	CLASS
		CAT. CODE		SD	190341	DWG NO.
					01	REV
						SHEET 1 OF 3

9. SWITCH S601 USED ON DUAL VOLTAGE VERSION (AM9P) ONLY.





THIS DRAWING IS BASED ON P-CAD DATA ALL CHANGES MUST BE MADE USING THE P-CAD FILES ATTACHED TO MD193227.