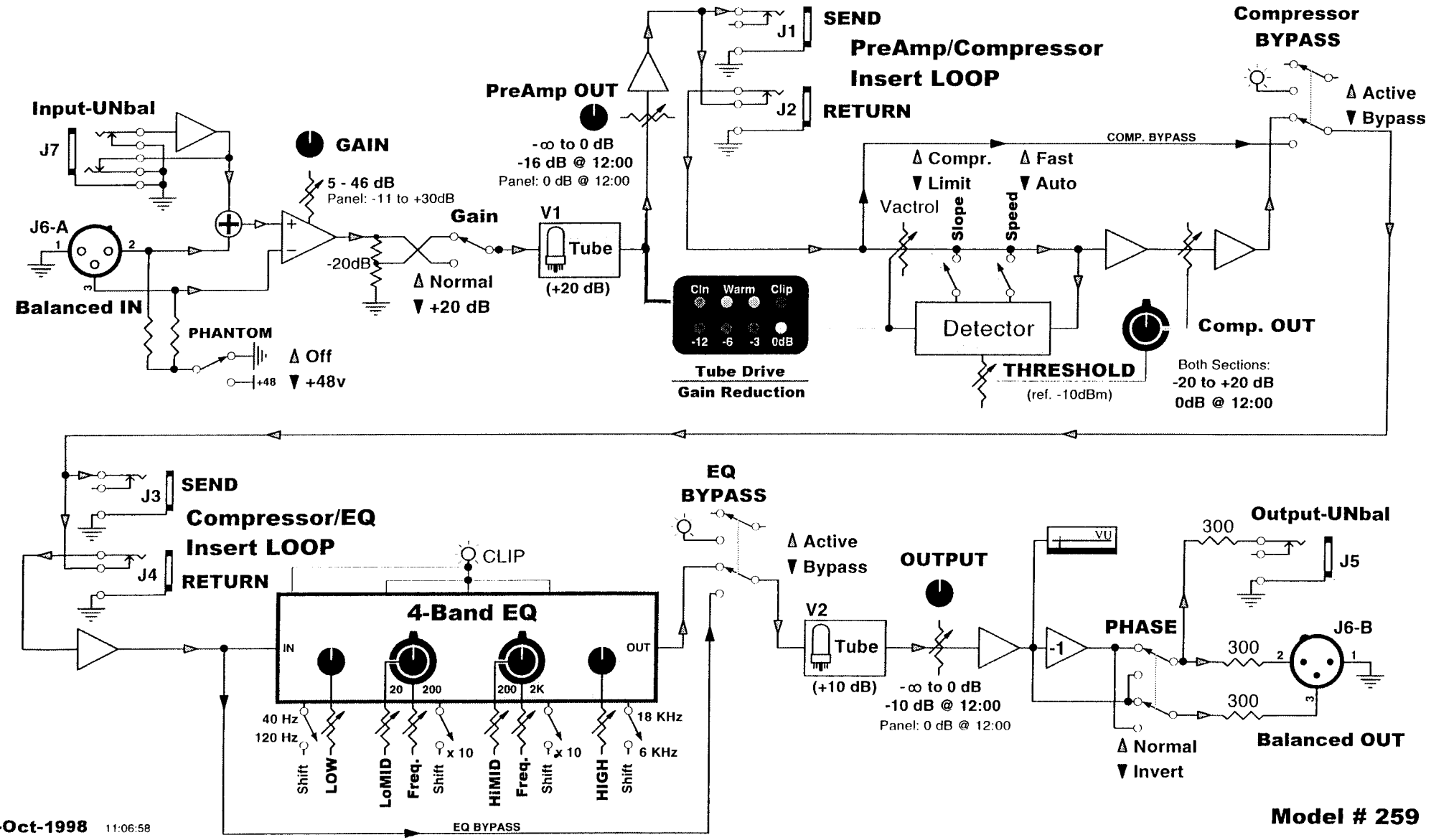
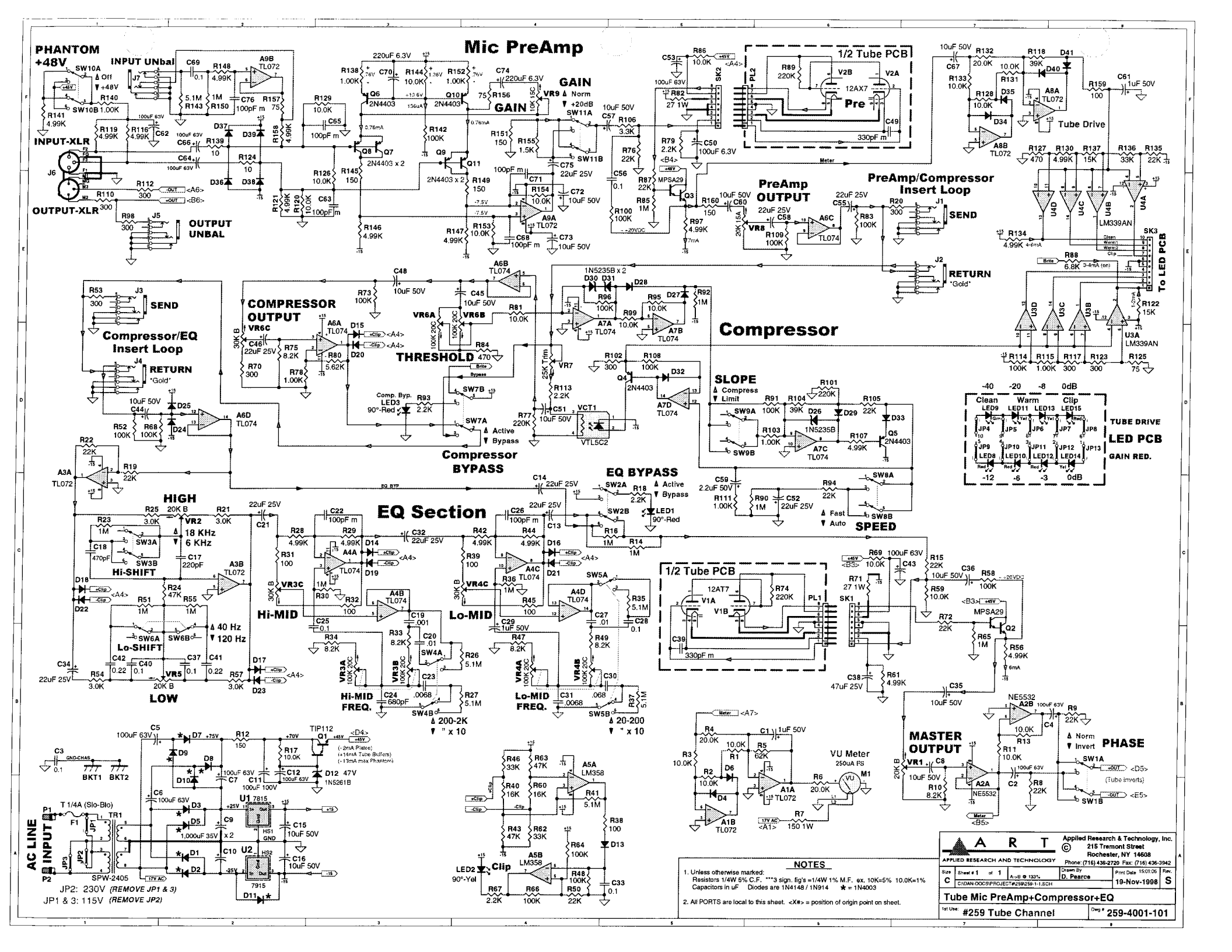
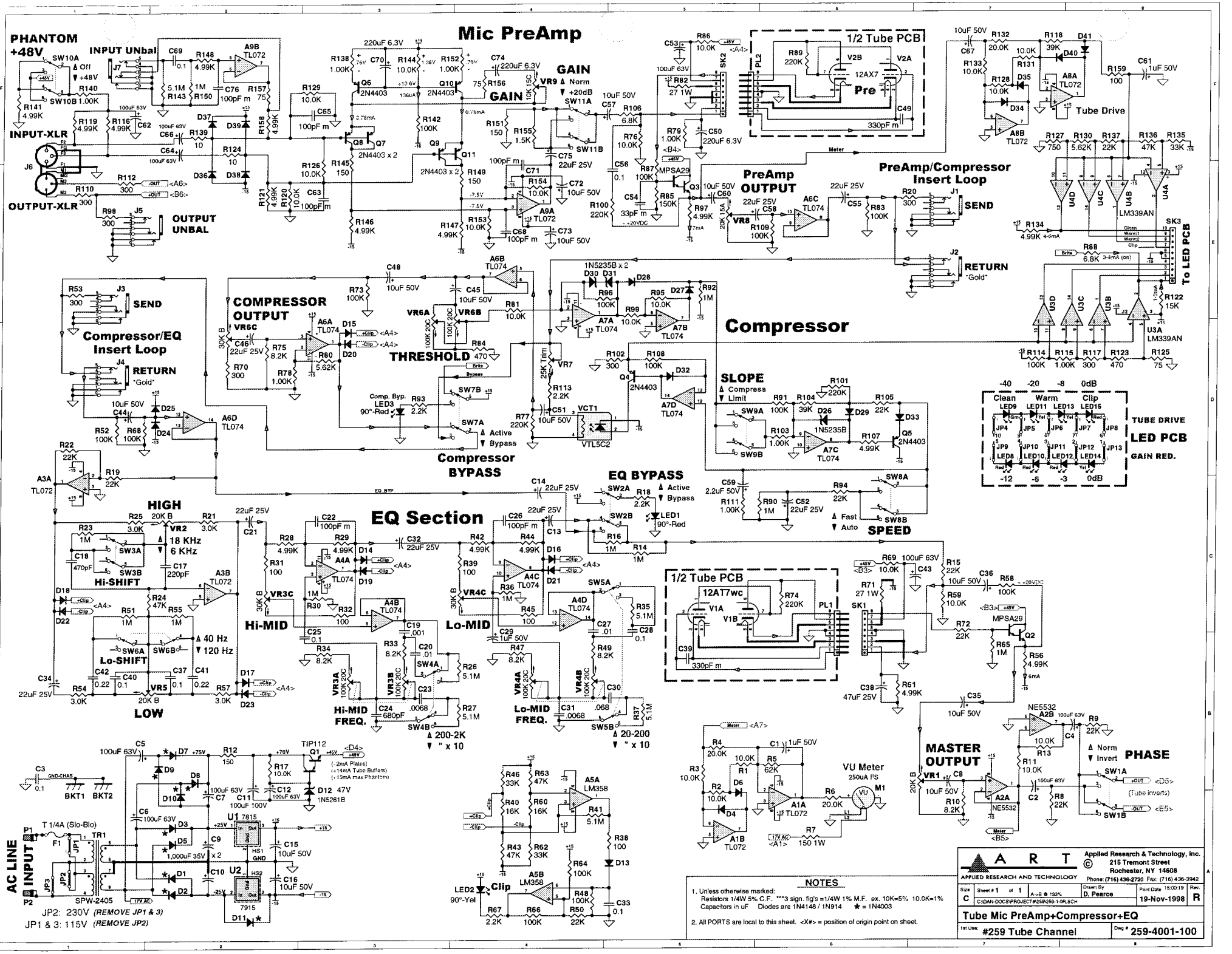
BLOCK DIAGRAM - Tube Channel




Mic PreAmp
PHANTOM +48V
INPUT UNbal
INPUT-XLR
OUTPUT-XLR
OUTPUT UNBAL
GAIN
1/2 Tube PCB
Pre
Tube Drive
PreAmp OUTPUT
PreAmp/Compressor Insert Loop
SEND
RETURN
"Gold"
To LED PCB
Compressor
COMPRESSOR OUTPUT
THRESHOLD
SLOPE
Compressor/EQ Insert Loop
Compressor BYPASS
EQ BYPASS
SPEED
EQ Section
HIGH
Hi-SHIFT
18 KHz
6 KHz
Hi-MID
Hi-MID FREQ.
Lo-MID
Lo-MID FREQ.
LOW
Lo-SHIFT
40 Hz
120 Hz
MASTER OUTPUT
PHASE
VU Meter
AC LINE INPUT
JP2: 230V (REMOVE JP1 & 3)
JP1 & 3: 115V (REMOVE JP2)
TUBE DRIVE LED PCB
GAIN RED.
Clean
Warm
Clip
0dB
-12
-6
-3
NOTES
1. Unless otherwise marked:
Resistors 1/4W 5% C.F. ***3 sign. fig's =1/4W 1% M.F. ex. 10K=5% 10.0K=1%
Capacitors in uF Diodes are 1N4148 / 1N914 * = 1N4003
2. All PORTS are local to this sheet. <X#> = position of origin point on sheet.
Applied Research & Technology, Inc.
215 Tremont Street
Rochester, NY 14608
Phone: (716) 436-2720 Fax: (716) 436-3942
Drawn By D. Pearce
Print Date 15:01:05 19-Nov-1998
Tube Mic PreAmp+Compressor+EQ
#259 Tube Channel
Dwg # 259-4001-101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Lo-MID
Lo-MID FREQ.
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1/2 Tube PCB
MASTER OUTPUT
PHASE
VU Meter
TUBE DRIVE LED PCB
GAIN RED.
To LED PCB
AC LINE INPUT
JP2: 230V (REMOVE JP1 & 3)
JP1 & 3: 115V (REMOVE JP2)
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