

NETWORK IV

SEATTLE AIRPORT SOUND -
LIGHT ENVIRONMENT.



MAINTENANCE
DRAWINGS

7 AUG 73

DRAWING LIST :

- | | |
|------|-----------------------------------|
| 190A | BLOCK DIAGRAMS |
| 190B | |
| 190C | |
| 191A | I/O LOGIC INSIDE COMPUTER |
| 192A | INPUT ADAPTER |
| 193A | OUTPUT ADAPTER #1 |
| 194A | " " " #2 |
| 203A | DUAL INPUT SELECTOR |
| 206A | PRIMARY Y DECODE |
| 207A | SECONDARY Y DECODE |
| 208A | LAMP DRIVER CARD |
| 261 | WIRING SUMMARY IN RACKS |
| 262 | |
| 263 | |
| 264 | |
| 271A | POWER SUPPLY |
| 272A | |
| 281 | ELEC. DETAILS OF LAMP WIRING |
| 282 | |
| 304A | AUDIO INPUT SCALER |
| 305A | A/D CONVERTERS |
| 306A | NOISE GENERATOR |
| 308A | 10 BIT D/A |
| 309A | PERI D/S DECODE |
| 310A | SEC D/S DECODE |
| 311A | DUAL 6BIT D/A |
| 312A | QUAD SAMPLE/HOLD |
| 313A | TRIPLEX RESONATOR |
| 314A | VOLTAGE CONTROLLER OSCILLATOR |
| 315A | REVERBERATION |
| 317 | VOLTAGE CONTROLLED FILTER |
| 318 | QUAD VOLTAGE CONTROLLED AMPLIFIER |
| 319A | RING MODULATOR |
| 325 | MIXING + LINE OUTPUT AMPLIFIER |

SOUND
SYSTEM

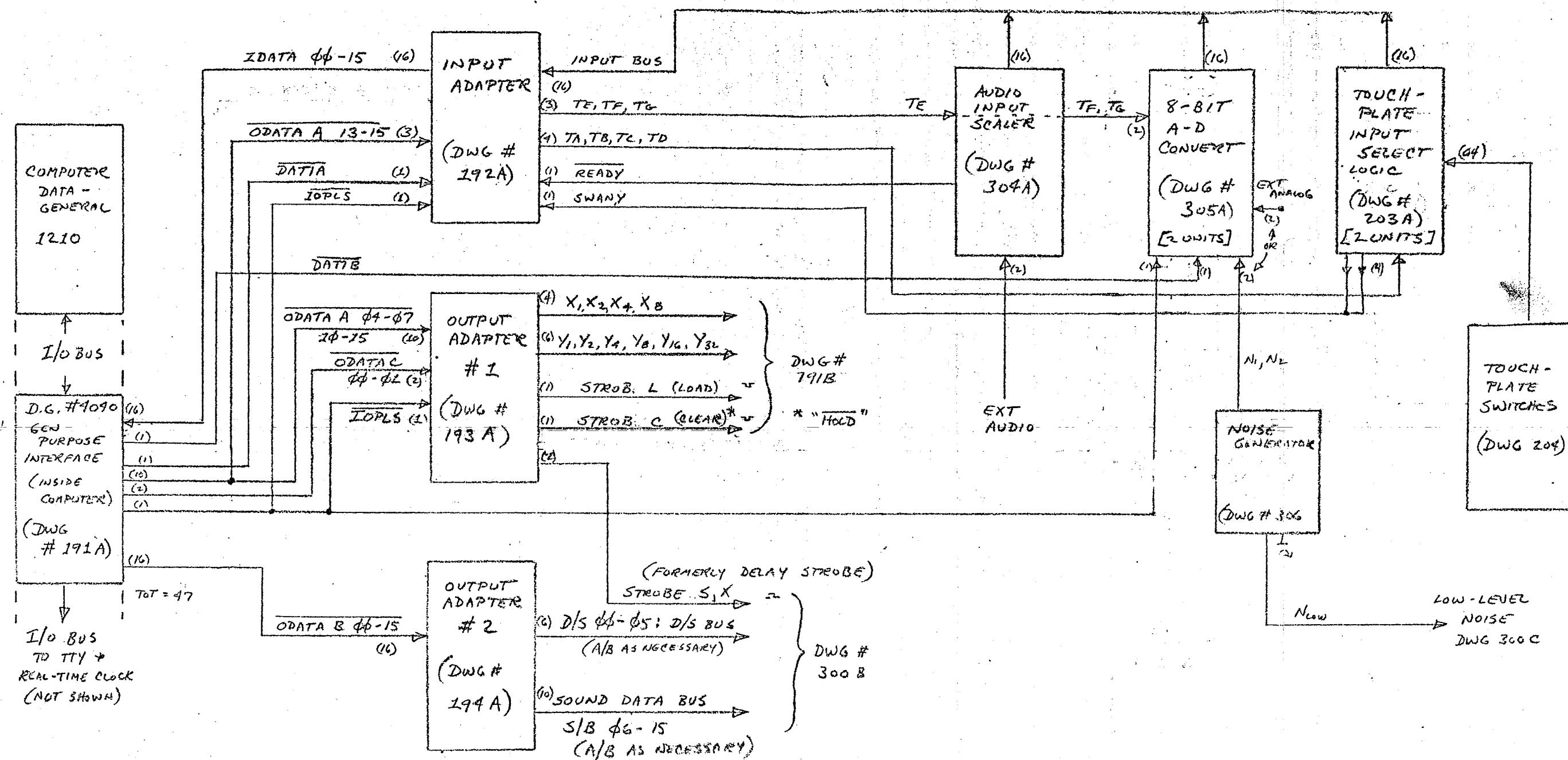
SEATTLE AIRPORT PROJECT
ART AREA #4; SOUND-LIGHT ENVIRONMENT

SCALE: N 3	APPROVED BY:	DRAWN BY GTS.
DATE: 7 Aug 73	BH	REVISED

XISTRA, INC., NEW YORK, NY.

DRAWING LIST

DRAWING NUMBER
002 A



3 MAY 73 OK

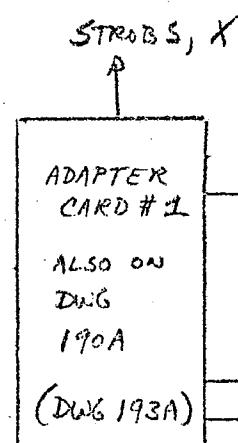
SEATTLE AIRPORT PROJECT		
ART AREA # 4; SOUND-LIGHT ENVIRONMENT		
SCALE: N.S.	APPROVED BY:	DRAWN BY J.S.
DATE: 30 JAN 73	9 JAN 73	REVISED 19 MAY 73
XYSTRON INCORPORATED, W.Y., N.Y.		
REVISED BLOCK DIAGRAM		DRAWING NUMBER 190A

NOTE: THIS DWG LARGELY REPLACES DWG 300A AND 308.

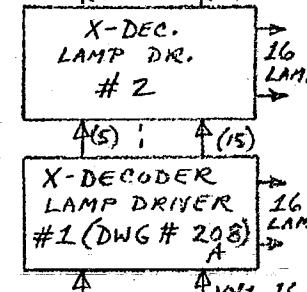
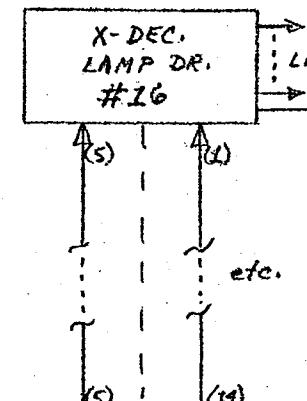
SEE DWG 190 A
FOR INPUTS TO
OUTPUT ADAPTER

1

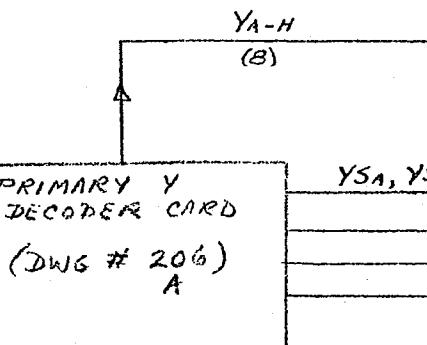
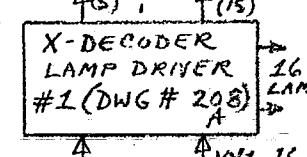
AND INPUT
DETAILS



X₁, X₂, X₄, X₈, HOLD (STROB C)
(5)



X-DEC.
LAMP DR.
#1 (DWG # 208)
A



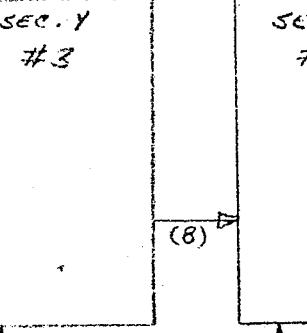
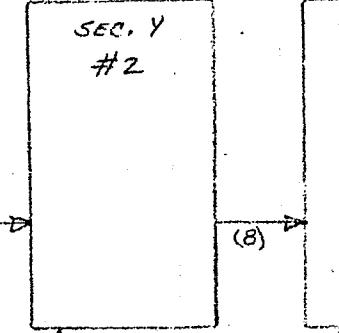
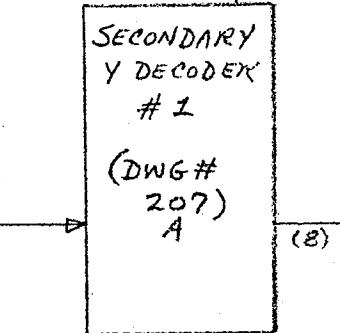
(5)

YY1-16 (16)

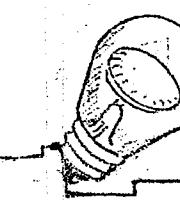
YY17-32 (16)

YY33-48 (16)

YY99-64 (16)



TYPICAL LAMP

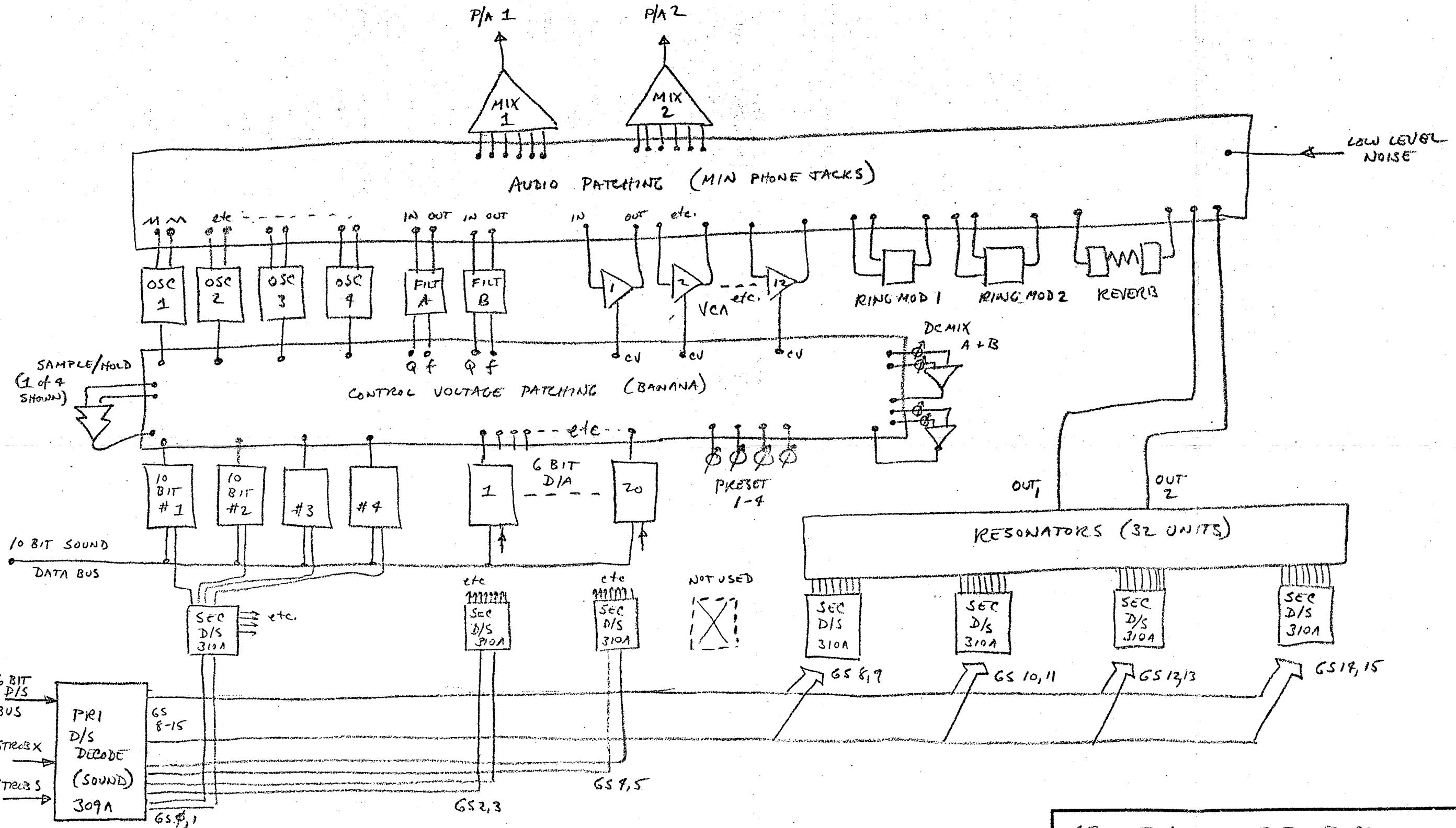


GENERAL ELECTRIC
R6-A (OLD NE-40)
[RESISTOR IN BASE]

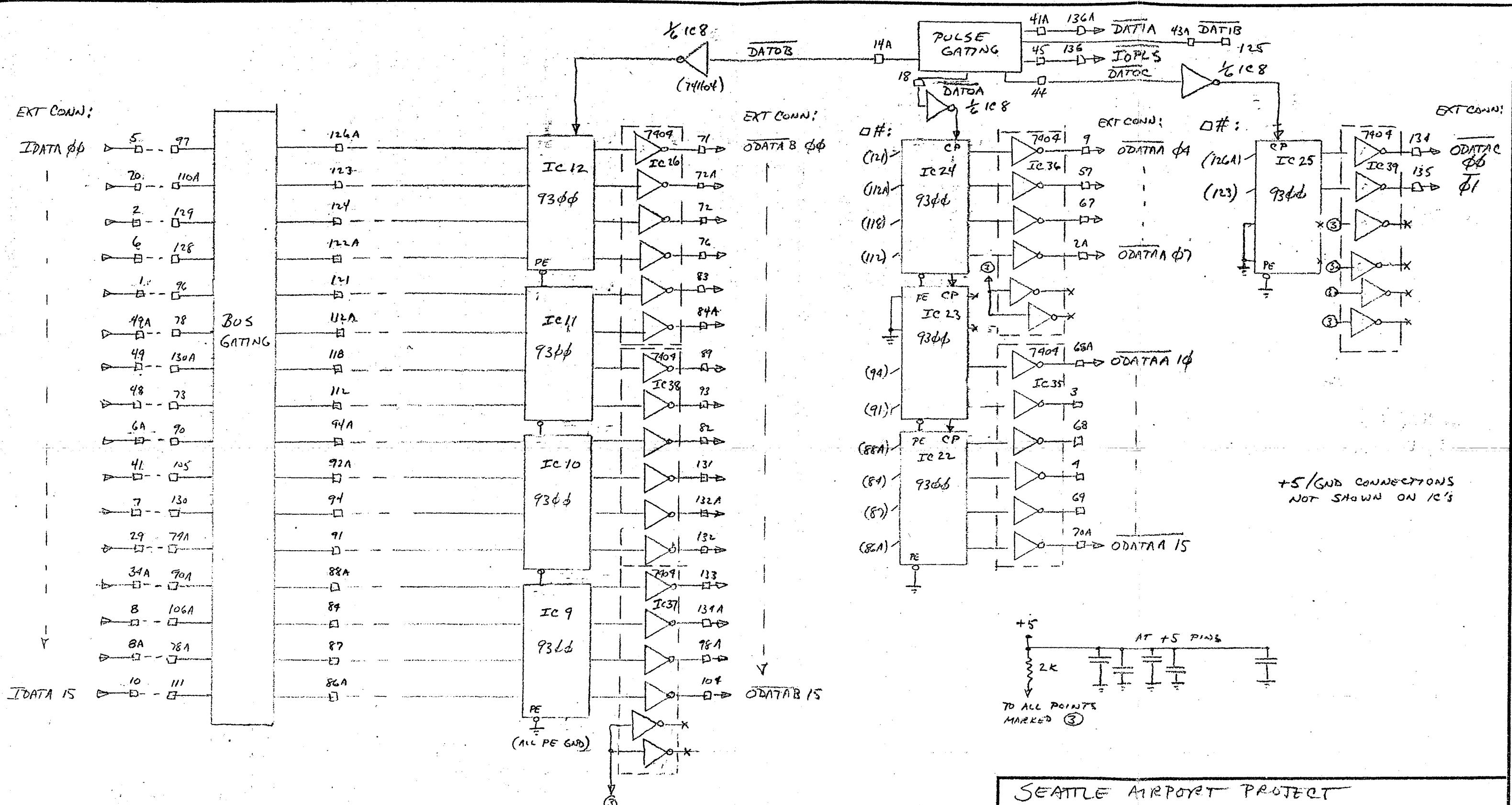
+ H.V.
100 VDC
FULL-WAVE
RECTIFIED

NOTE: NUMBERS IN PARENTHESES
INDICATE TOTAL LINES IN
INTERCONNECTIONS

SEATTLE AIRPORT PROJECT	
ART AREA # 4; SOUND-LIGHT ENVIRONMENT	
SCALE: N.S.	APPROVED BY: B.H. JONES
DATE: 7 AUG 73	DRAWN BY: J.S.
REVISED -	
JAMES SEAURIGHT for: HUMANITIES + INTERMEDIA CORP., N.Y., N.Y.	
GENERAL BLOCK DIAGRAM VISUAL SUB-SYSTEM	
DRAWING NUMBER 190B	

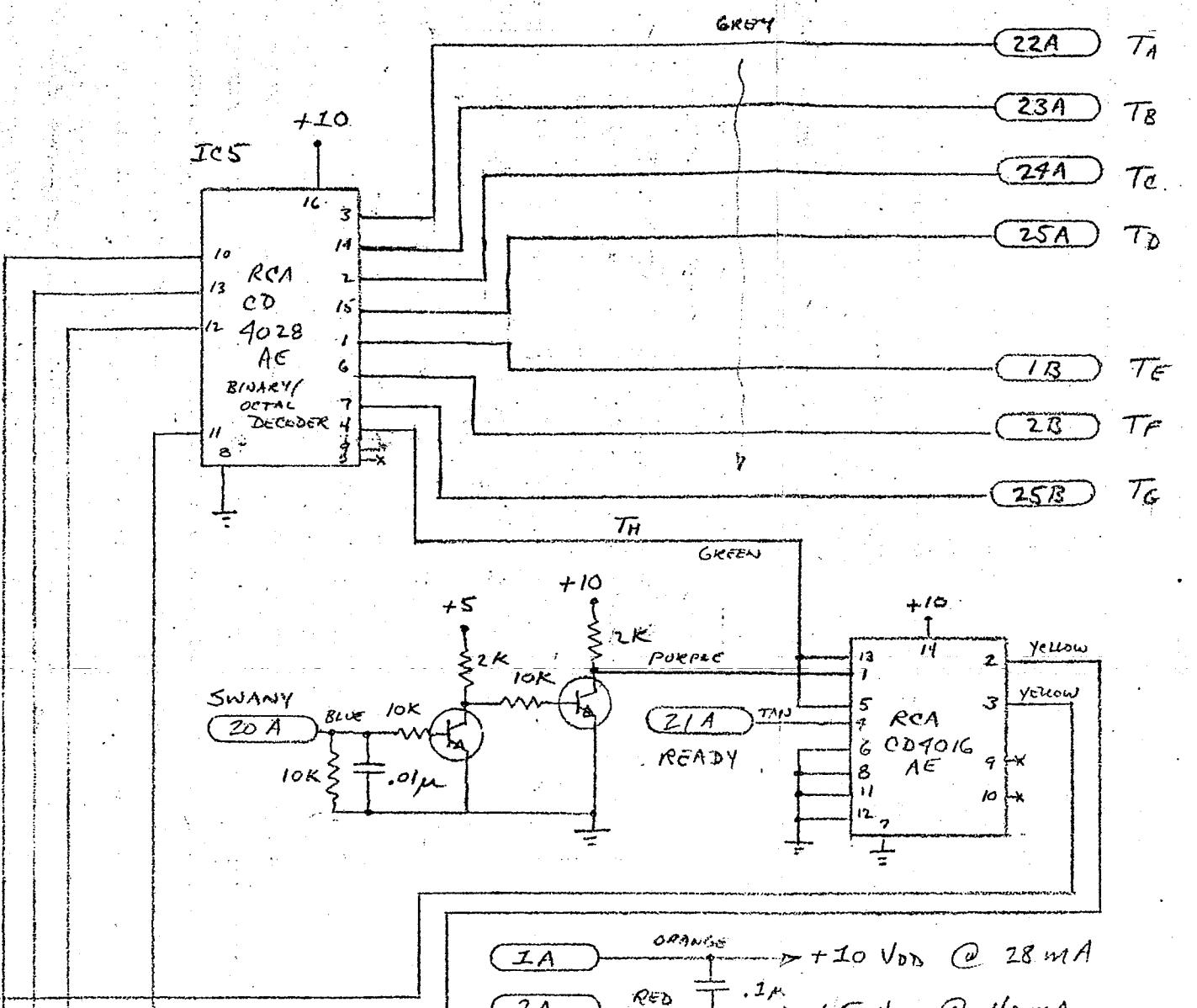
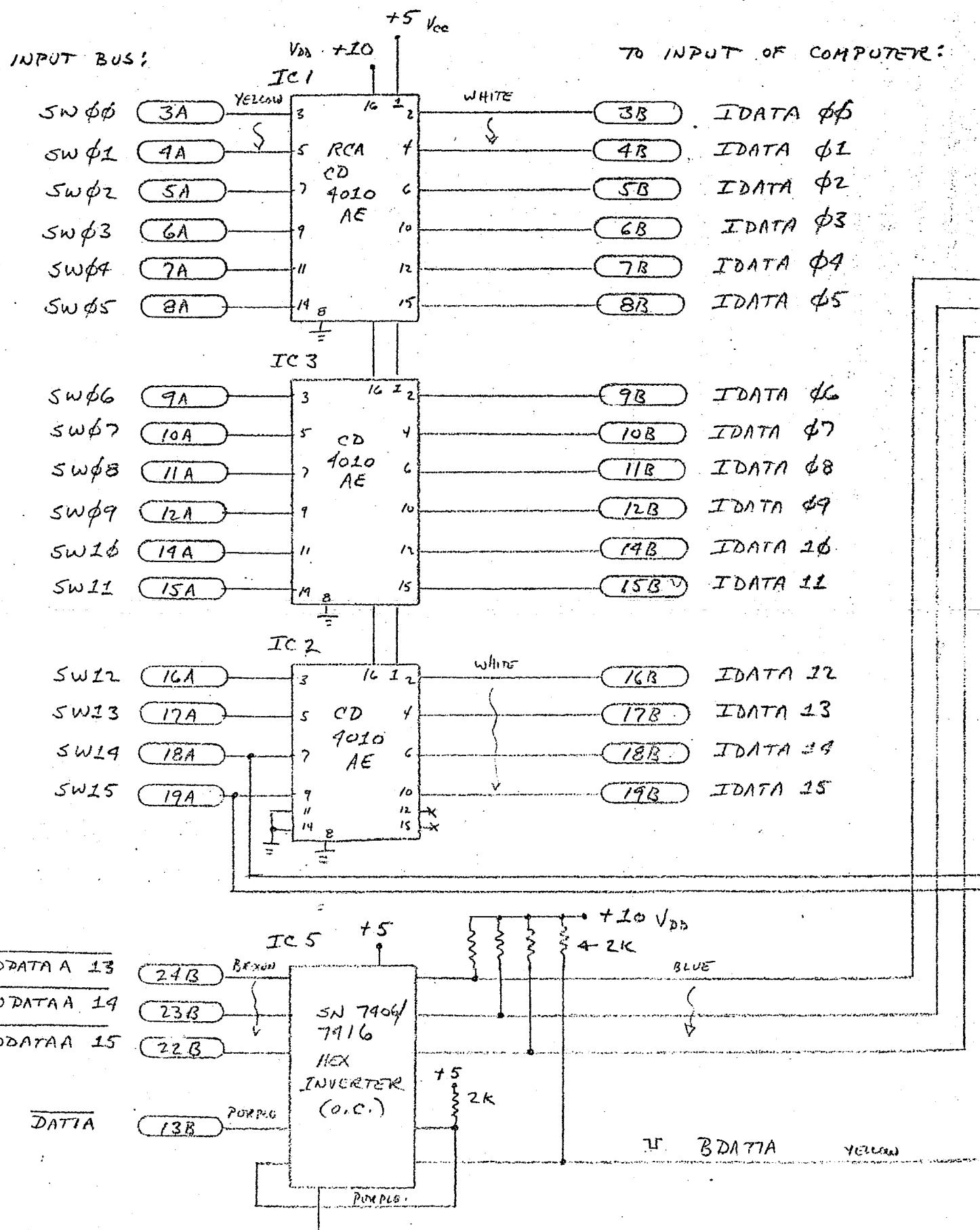


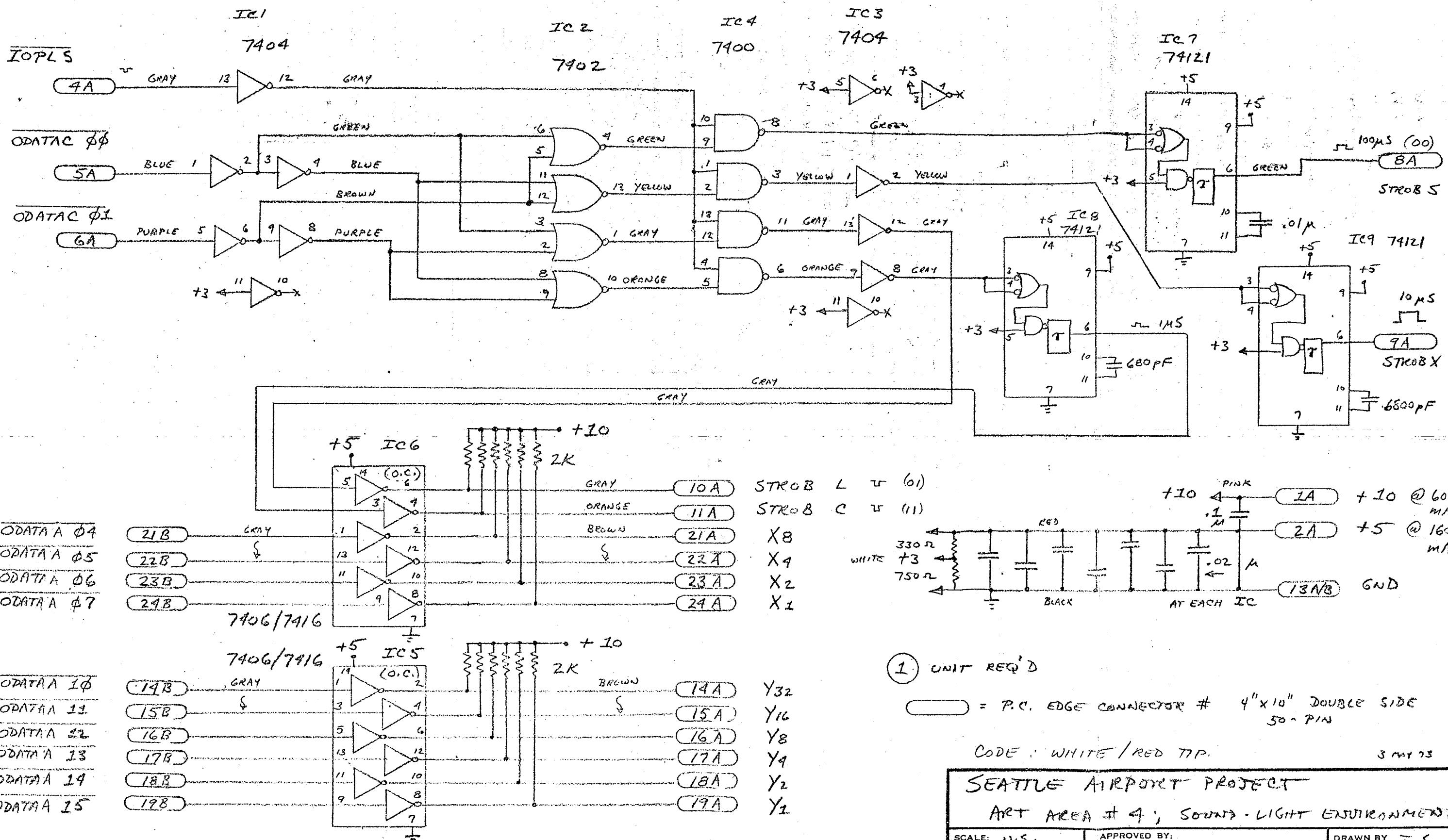
SCALE: 1/16	APPROVED BY:	DRAWN BY J.S.
DATE: 7 AUG 73	9/1	REVISED
XYSTRON, 115 E. N.Y. N.Y.		
GENERAL BLOCK DIAG, PART 3 (SOUND)		DRAWING NUMBER
		190C



SEATTLE AIRPORT PROJECT		
ART AREA #4 ; SOUND LIGHT ENVIRONMENT		
SCALE: N.S.	APPROVED BY:	DRAWN BY J.S.
DATE: 20 NOV 72	J.W. 9 JAN 73	REVISED 19 MAY 73
XYSTRON INCORPORATED, N.Y., N.Y.		
ADDITIONAL I/O LOGIC		DRAWING NUMBER 191A

NOTE! THIS DWG REPLACES DWG'S 201 AND 301 (AND 191)



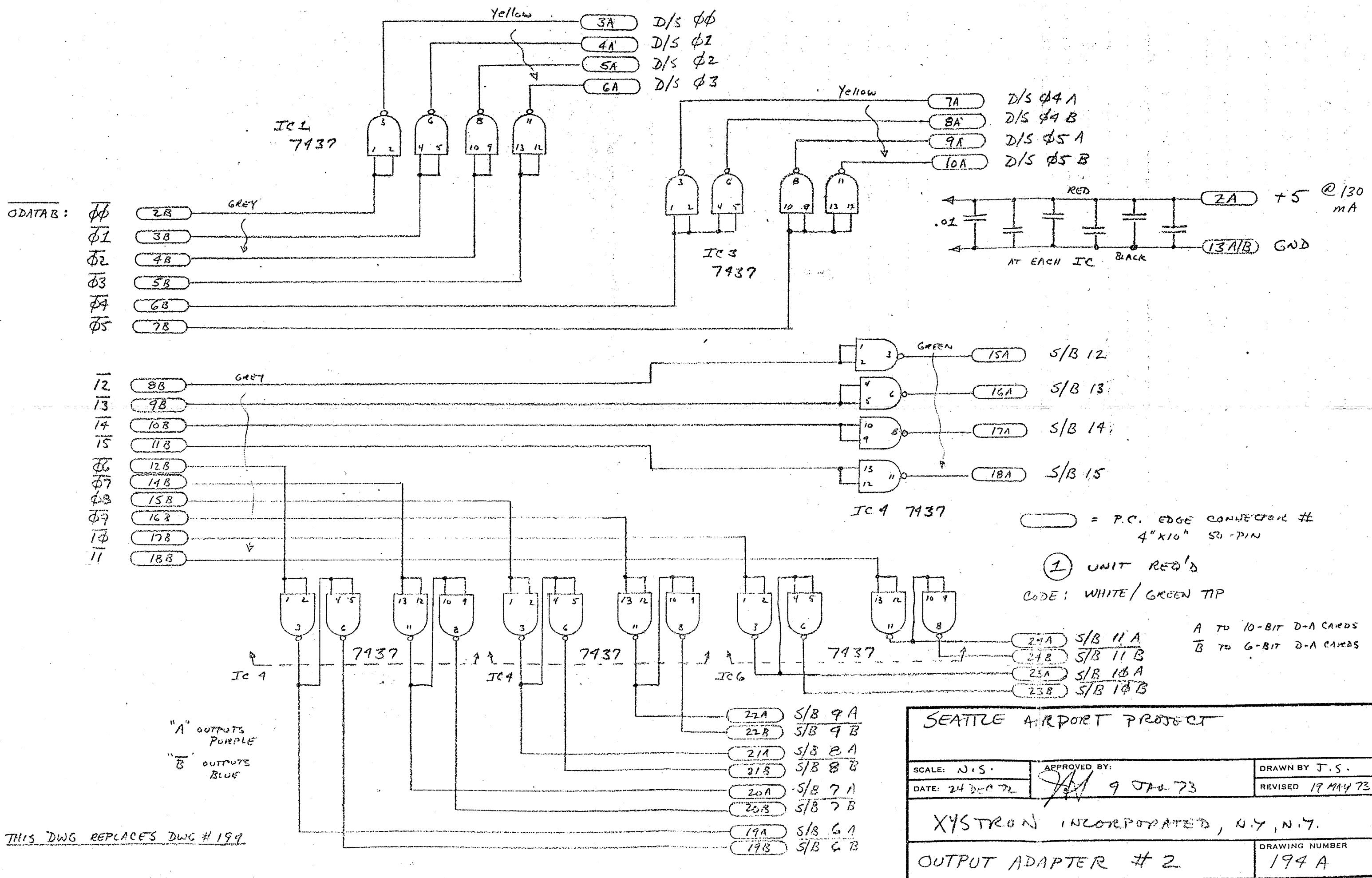


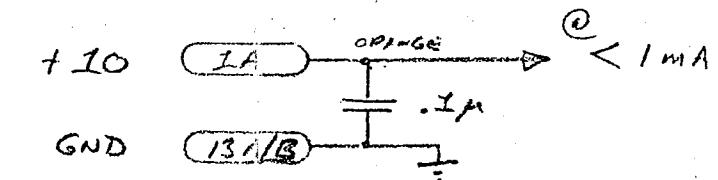
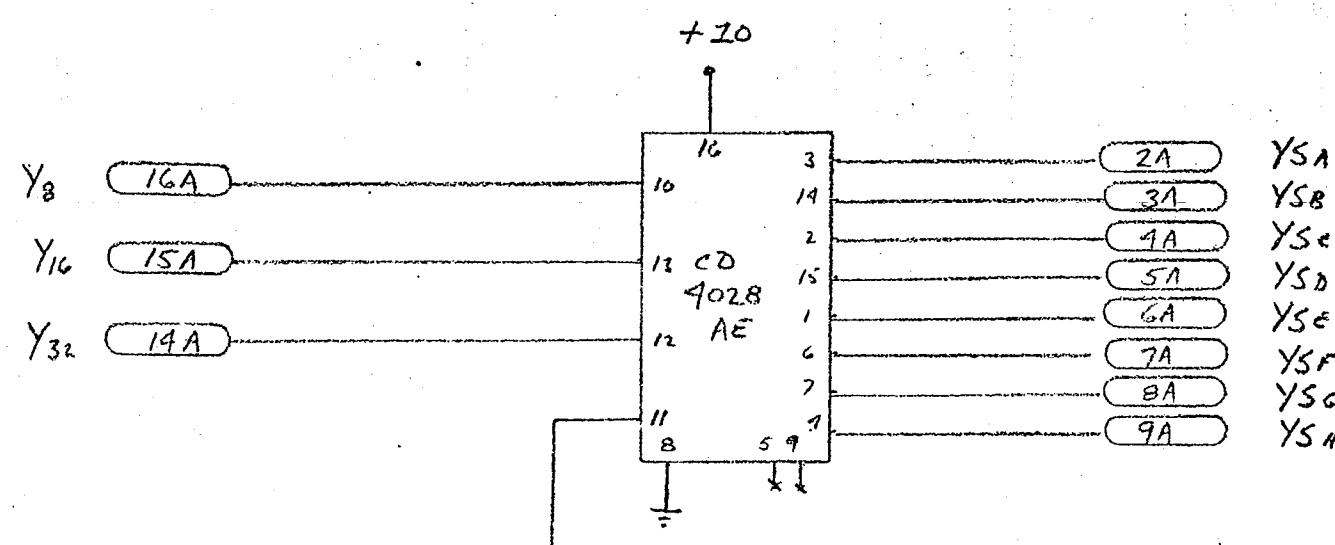
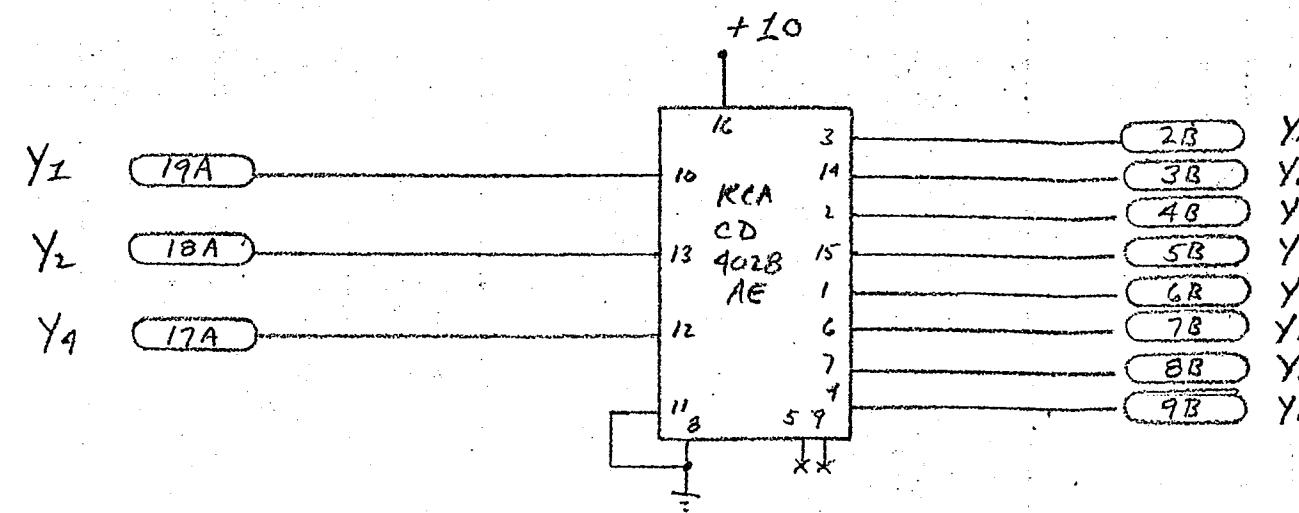
THIS DWG REPLACES DWG 193
(DWG 193 REPLACED DWG 3-?)

XYSTRON INCORPORATED, N.Y., N.Y.

OUTPUT ADAPTER #1

DRAWING NUMBER
193A





() = P.C. EDGE CONNECTOR NUMBERS
4" X 10" 50-PIN.

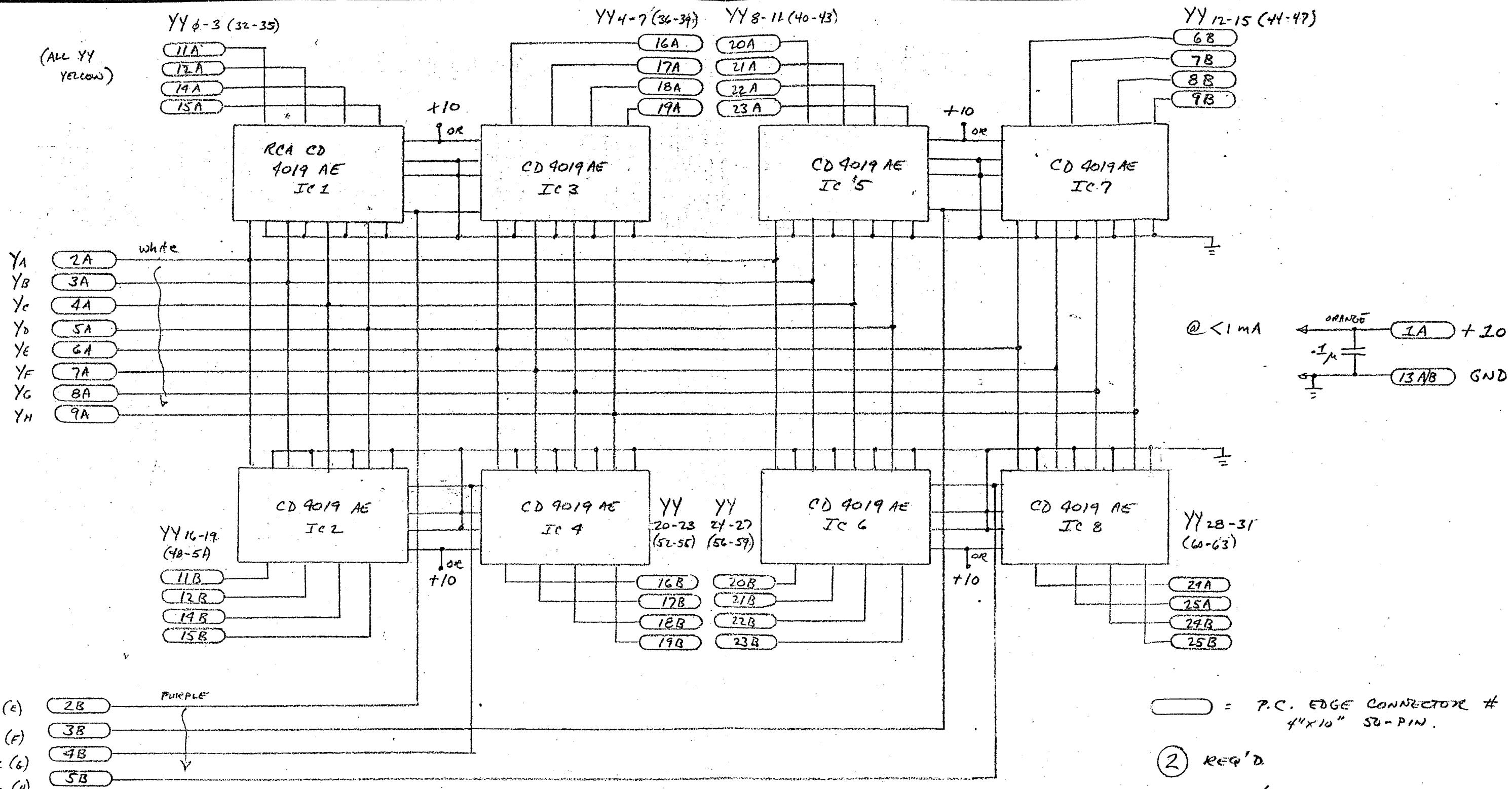
① UNIT REQ'D

CODE: BLACK/RED MP

STROB L (10A)

THIS DWG REPLACES DWG 206 (ALL REVISIONS)

SEATTLE AIRPORT PROJECT		
ART AREA # 4 ; SOUND - LIGHT ENVIRONMENT		
SCALE: N.S.	APPROVED BY:	DRAWN BY J.S.
DATE: 28 DEC 72	JY OK . 9 JAN 73	REVISED 19 MAY 73
XYSTRON INCORPORATED , NY , NY .		
PRIMARY Y DECODER VISUAL SUB - SYSTEM		DRAWING NUMBER 206 A



CODE : BLACK / WHITE TIP

SEATTLE AIRPORT PROJECT

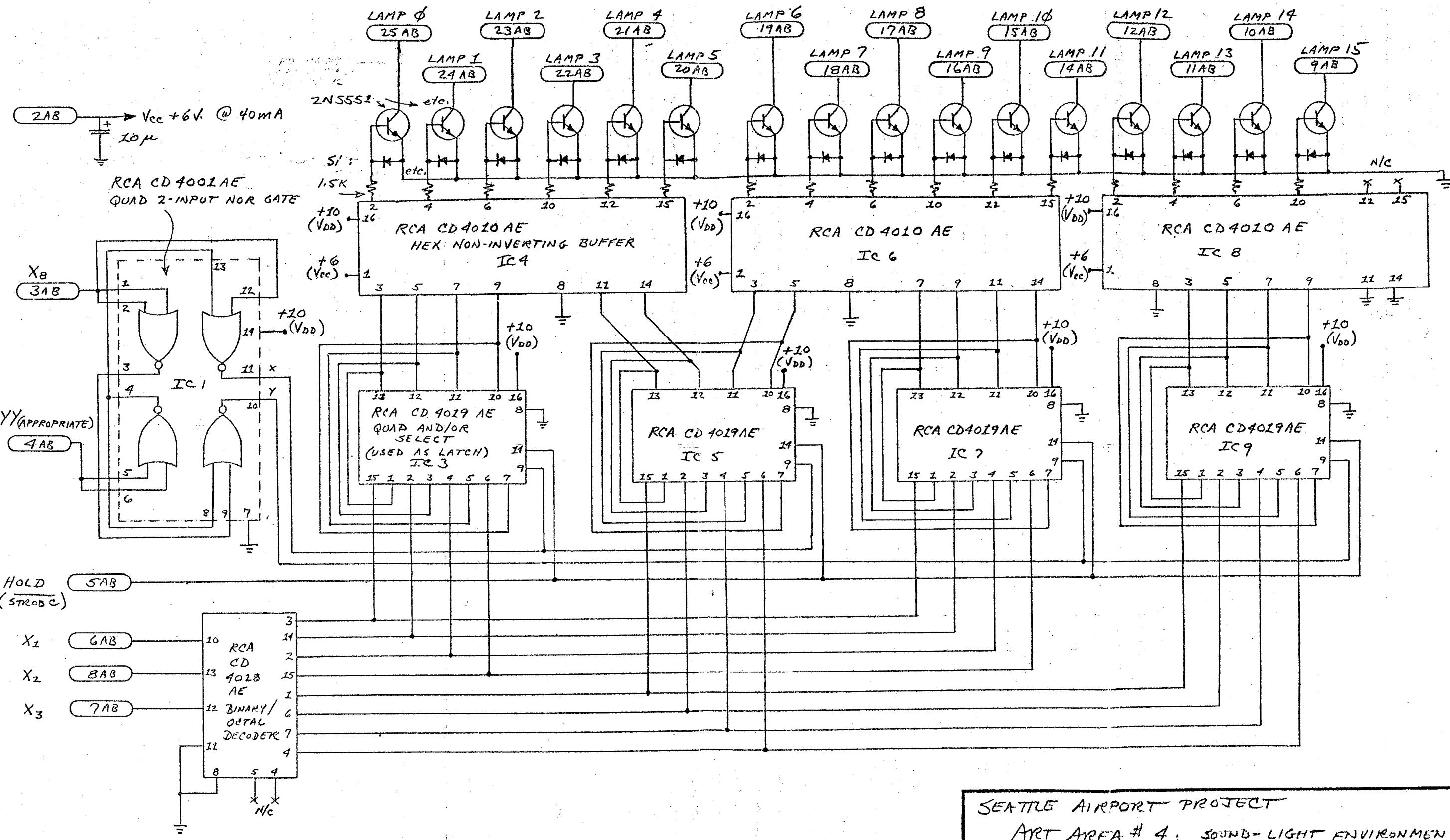
ART AREA # 4 ; SOUND-LIGHT ENVIRONMENT

XYSTRON INCORPORATED, N.Y., N.Y.

SECONDARY Y DECODER CARD VISUAL SUB-SYSTEM

DRAWING NUMBER
207A

THIS DWG REPLACES DWG # 207 (ALL REVISIONS)



--- = P.C. EDGE CONNECTOR NUMBER
(SINGLE SIDE)
4" 25-PIN

64 UNITS REQUIRED

CODE: (NO HANDLE)

NOTE: THIS IS FINAL VERSION OF Dwg 208

SCALE: N.S.	APPROVED BY: B.H. J.H.	DRAWN BY J.S.
DATE: 23 SEPT 73	J.H.	REVISED 19 MAY 73
SEATTLE AIRPORT PROJECT ART AREA #4, SOUND-LIGHT ENVIRONMENT		
X DECODER / LAMP DRIVER CARD VISUAL SUB-SYSTEM		DRAWING NUMBER 208 A

BACK VIEW (PIN SIDE of SOCKETS)

	306A	305A	305A	309A	VACANT	203A	203A	192A	199A	193A	206A	207A	207A	- VACANT -
PIN#	16	15	14	13	(2)	11	10	9	8	7	6	5	4	(3), (2), (1)
	A . B A	B A	B A	B		A B A	B A	B A	B A	B A	B . A	B A	B	
1	+10	+10	+10	+10		+10	+10	+10	-	+10	+10	+10	+10	
2	+5	+5	+5	+5		-	-	+5	TE	+5	Y _A	Y _A	Y _A	- VACANT -
3	SWΦΦ	SWΦΦ	SWΦΦ	SWΦΦ		SWΦΦ	SWΦΦ	IDATA	D/S	DATA	Y _B	Y _B	Y _B	AMPHENOL
4	" φ1	" φ1	" φ1	" φ1		φ1	φ1	φ1	φ1	φ1	Y _C	Y _C	Y _C	50-PIN PLUGS :
5	" 1φ	" φ2	" φ2	" φ2		φ2	φ2	φ2	φ2	φ2	Y _D	Y _D	Y _D	#2 (LEFT - from back)
6	11	φ3	φ3	φ3		φ3	φ3	φ3	φ3	φ3	Y _E	Y _E	Y _E	#2 (RIGHT)
7	12	φ4	φ4	φ4		φ4	φ4	φ4	φ4	φ4	Y _F	Y _F	Y _F	
8	13	φ5	φ5	φ5		φ5	φ5	φ5	φ5	φ5	Y _G	Y _G	Y _G	
9	14	φ6	φ6	φ6		φ6	φ6	φ6	φ6	φ6	Y _H	Y _H	Y _H	
10	" 15	" φ7	φ7	φ7		φ7	φ7	φ7	φ7	φ7	YY ₁₅	YY ₁₅	YY ₁₅	
11			φ8			φ8	φ8	φ8	φ8	φ8	YY ₁₆	YY ₁₆	YY ₁₆	
12			φ9			φ9	φ9	φ9	φ9	φ9	YY ₁₇	YY ₁₇	YY ₁₇	
13	GND	GND	GND	GND		GND	GND	GND	DATIA	GND	GND	GND	GND	PINS
14	DATIB	DATIB	DATIB	1φ		1φ	1φ	1φ	1φ	1φ	YY ₁₈	YY ₁₈	YY ₁₈	1-32 YY _φ -YY ₃₁ (white) YY ₃₂ -YY ₆₃ IN ORDER
15	N LOW			11		11	11	SIB	12	φ8	YY ₁₉	YY ₁₉	YY ₁₉	
16				12		12	12	12	13	φ9	YY ₂₀	YY ₂₀	YY ₂₀	
17	N ₁ → A ₁ (w)	A ₁ (ext)	A ₁ (ext)	13		13	13	13	14	1φ	YY ₂₁	YY ₂₁	YY ₂₁	
18	N ₂ → A ₂ (w ₂)	A ₂ (ext)	A ₂ (ext)	14		14	14	14	15	1φ	YY ₂₂	YY ₂₂	YY ₂₂	
19			" 15			" 15	" 15	" 15	" 15	SIB	YY ₂₃	YY ₂₃	YY ₂₃	
20	TF	TF	TE			SWANY	SWANY	SWANY	-	φ7A	YY ₂₄	YY ₂₄	YY ₂₄	
21	TG	TG	READY			-	-	READY	-	φ8A	YY ₂₅	YY ₂₅	YY ₂₅	
22			AUDIO IN			TC	TA	TA	DATIA	φ9A	X ₁	X ₁	X ₁	
23	+15	+15	+15	+15		TD	TB	TB	1φA	1φB	X ₂	X ₂	X ₂	
24	-15	-15	-15	-15		TD	TB	TB	1φA	1φB	X ₃	X ₃	X ₃	
25						TD	TG	TG	-	-	X ₄	X ₄	X ₄	

1	D/S φφ	D/S φ5A	7
2	φ1	φ5B	8
3	φ2	SIB 12	9
4	φ3	13	10
5	φ4A	14	11
6	φ4B	15	12

JONES CONN.
FEMALE
(UPPER)

1	SIB φ6A	SIB φ6B	7
2	φ7A	φ7B	8
3	φ8A	φ8B	9
4	φ9A	φ9B	10
5	1φA	1φB	11
6	11A	11B	12

JONES CONN.
MALE
(LOWER)

TERM STRIP:
STROB X

PHONO:
STROB S

SEE DWG # 260
for
CABLE TO
COMPUTER

SEATTLE AIRPORT PROJECT	APPROVED BY:	DRAWN BY J.S.
ART AREA # 4 SOUND-LIGHT ENVIRONMENT	J.S.	REVISED 14 MAY 73
SCALE: N.S.	DATE: 19 MAY 73	
XYSTRON INCORPORATED, N.Y., N.Y.		
I/O RACK WIRING SUMMARY		DRAWING NUMBER
		261

BACK VIEW

VACANT

(15-16)

	A	14	B	13	A	B	A	12	B	A	11	B	A	10	B	A	9	B	A	8	B	A	7	B	A	6	B	A	5	B	A	4	B	A	3	B	A	2	B	A	1	B	PIN#
		+15		+15		+15		+15		+15		+15		+15		+15		+15		+15		+15		+15		+15		+15		+15		+15		+15		+15		1					
		+5		+5		+5		+5		+5		+5		+5		+5		+5		+5		+5		+5		+5		+5		+5		+5		+5		+5		2					
	CV ₁₂	S ₂₂	CV ₂₀	S ₂₀	CV ₁₈	S ₁₈	CV ₁₆	S ₁₆	CV ₁₄	S ₁₄	CV ₁₂	S ₁₂	CV ₁₀	S ₁₀	CV ₈	S ₈	CV ₆	S ₆	CV ₄	S ₄	CV ₂	S ₂	CV ₁	S ₁	CV ₀	S ₀	CV ₃	S ₃	CV ₂	S ₂	CV ₁	S ₁	CV ₀	S ₀	1								
	CV ₂₃	S ₂₃	CV ₂₁	S ₂₁	CV ₁₉	S ₁₉	CV ₁₇	S ₁₇	CV ₁₅	S ₁₅	CV ₁₃	S ₁₃	CV ₁₁	S ₁₁	CV ₉	S ₉	CV ₇	S ₇	CV ₅	S ₅	GND		2																				
	GND		GND		GND		GND		GND		GND		GND		GND		GND		GND		GND		GND		GND		GND		GND		GND		GND		3								
	S/B 46B		S/B 47B		S/B 48B		S/B 49B		S/B 50B		S/B 51B		S/B 52B		S/B 53B		S/B 54B		S/B 55B		S/B 10A		S/B 11A		S/B 12		S/B 13		S/B 14		S/B 15		S/B 16A		4								
	S/B 46B		S/B 47B		S/B 48B		S/B 49B		S/B 50B		S/B 51B		S/B 52B		S/B 53B		S/B 54B		S/B 55B		S/B 10A		S/B 11A		S/B 12		S/B 13		S/B 14		S/B 15		S/B 16A		5								
	-15		-15		-15		-15		-15		-15		-15		-15		-15		-15		-15		-15		-15		-15		-15		-15		-15		6								
																																			7								
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																																			13								
																																			14								
																																			15								

311A

5-14

308A

NOTES!

VACANT
-(10-16)

VACANT

310A
2-4, 6-9

309A

PINS 1-32 = S₃₂ - S₆₃AMPHENOL
36-PIN PLUG;

JONES PLUG CABLES:

MATE WITH
PLUGS ON I/O RACK
(DWG # 261)SIGNALS CORRESPOND
PIN-FOR-PIN

BANANA JACKS ON TOP PANEL:

CV₀ - 23 IN ORDER,
FROM LEFT, (FRONT VIEW)

	A	B	A	B	A	B	A	B	A	B	A	B	(5)	
	-	-	-	-	-	-	-	-	-	-	-	-	-	
	+5		+5		+5		+5		+5		+5		+5	
	S ₅₆	S ₆₀	S ₄₈	S ₅₂	S ₄₀	S ₄₄	S ₃₂	S ₃₆	S ₁₆	S ₂₀	S ₈	S ₁₂	-	
	S ₅₇	S ₆₁	S ₄₉	S ₅₃	S ₄₁	S ₄₅	S ₃₃	S ₃₇	S ₁₇	S ₂₁	S ₉	S ₁₃	S ₄	
	S ₅₈	S ₆₂	S ₅₀	S ₅₄	S ₄₂	S ₄₆	S ₃₄	S ₃₈	S ₁₈	S ₂₂	S ₁₀	S ₁₄	S ₆	
	S ₅₉	S ₆₃	S ₅₁	S ₅₅	S ₄₃	S ₄₇	S ₃₅	S ₃₉	S ₁₉	S ₂₃	S ₁₁	S ₁₅	S ₇	
	GND		GND		GND		GND		GND		GND		GND	
	D/S 49B		D/S 50B		D/S 51B		D/S 52B		D/S 53B		D/S 54A		D/S 55A	
	GS ₁₄		GS ₁₂		GS ₁₀		GS ₈		GS ₆		GS ₄		GS ₂	
	GS ₁₅		GS ₁₃		GS ₁₁		GS ₉		GS ₇		GS ₅		GS ₃	

	A	B	A	B	A	B	A	B	A	B	A	B	I	
	-	-	-	-	-	-	-	-	-	-	-	-	-	
	+5		+5		+5		+5		+5		+5		+5	
	S ₁₆	S ₂₀	S ₈	S ₁₂	S ₀	S ₄	S ₁₇	S ₂₁	S ₁	S ₅	D/S 43	D/S 42	1	
	S ₁₇	S ₂₁	S ₉	S ₁₃	S ₁	S ₅	S ₁₈	S ₂₂	S ₂	S ₆	GS 15	(GS 17)	2	
	S ₁₈	S ₂₂	S ₁₀	S ₁₄	S ₂	S ₆	S ₁₉	S ₂₃	S ₃	S ₇	GS 14	(GS 16)	3	
	S ₁₉	S ₂₃	S ₁₁	S ₁₅	S ₃	S ₇	GND		GND		GND		GND	
	D/S 44A		D/S 45A		D/S 46A		D/S 47A		D/S 48A		D/S 49A		D/S 50A	
	GS ₁₂		GS ₁₄		GS ₁₆		GS ₁₈		GS ₂₀		GS ₂₂		GS ₂₄	
	GS ₁₃		GS ₁₅	</										

BACK VIEW

RVU #2		RVU #2		REVERB	R/M	R/M	HUCA	HUCA	HUCA	EFG	FILT	OSC	OSC	OSC	OSC	PIN #	
16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		
+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	1	
IN A	→ IN	IN A	→ IN				J IN	G IN	A IN	A END						2	
				SIGNAL	SIGNAL		J IN	F IN	B IN	B END	INPUT A					3	
				CARRIER	CARRIER		K IN	G IN	C IN	C END	C/U A1					4	
							L IN	H IN	D IN	D END						5	
							C/U I	C/U E	C/U A	A RATE	OUT A					6	
							C/U J	C/U F	C/U B	B RATE	C/U A2					7	
							GND	GND	GND	GND	GND	GND	GND	GND	GND	8	
							C/U K	C/U G	C/U C	C RATE						9	
							C/U L	C/U H	C/U D	D RATE	INPUT B					10	
							OUT	OUT	I OUT	E OUT	A OUT	C/U B1	TRI 4	TRI 3	TRI 2	TRI 1	11
									J OUT	F OUT	B OUT		SAW 4	SAW 3	SAW 2	SAW 1	12
									K OUT	G OUT	C OUT	OUT B					13
									L OUT	H OUT	D OUT	D OUT	C/U B2				14
-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	15	

NOTE: SEE APPROPRIATE DWG'S
for DETAILS OF UPPERC
AND LOWER PANELS
NOT SHOWN HERE

SEATTLE AIRPORT PROJECT		
ART AREA #4 - SOUND-LIGHT ENVIRONMENT		
SCALE: N.S.	APPROVED BY:	DRAWN BY T.S.
DATE: 19 MAY 73	<i>[Signature]</i>	REVISED 19 MAY 73
XYSTRON INCORPORATED, N.Y., N.Y.		
AUDIO UNIT WIRING SUMMARY		DRAWING NUMBER 263

BACK VIEW

ALL SLOTS
313A

PIN#

16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15
S17	S46	S95	S40	S43	S42	S41	S40	S39	S38	S37	S36	S35	S34	S33	S32
GND															
OUT1															
-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15

ALL SLOTS
313A

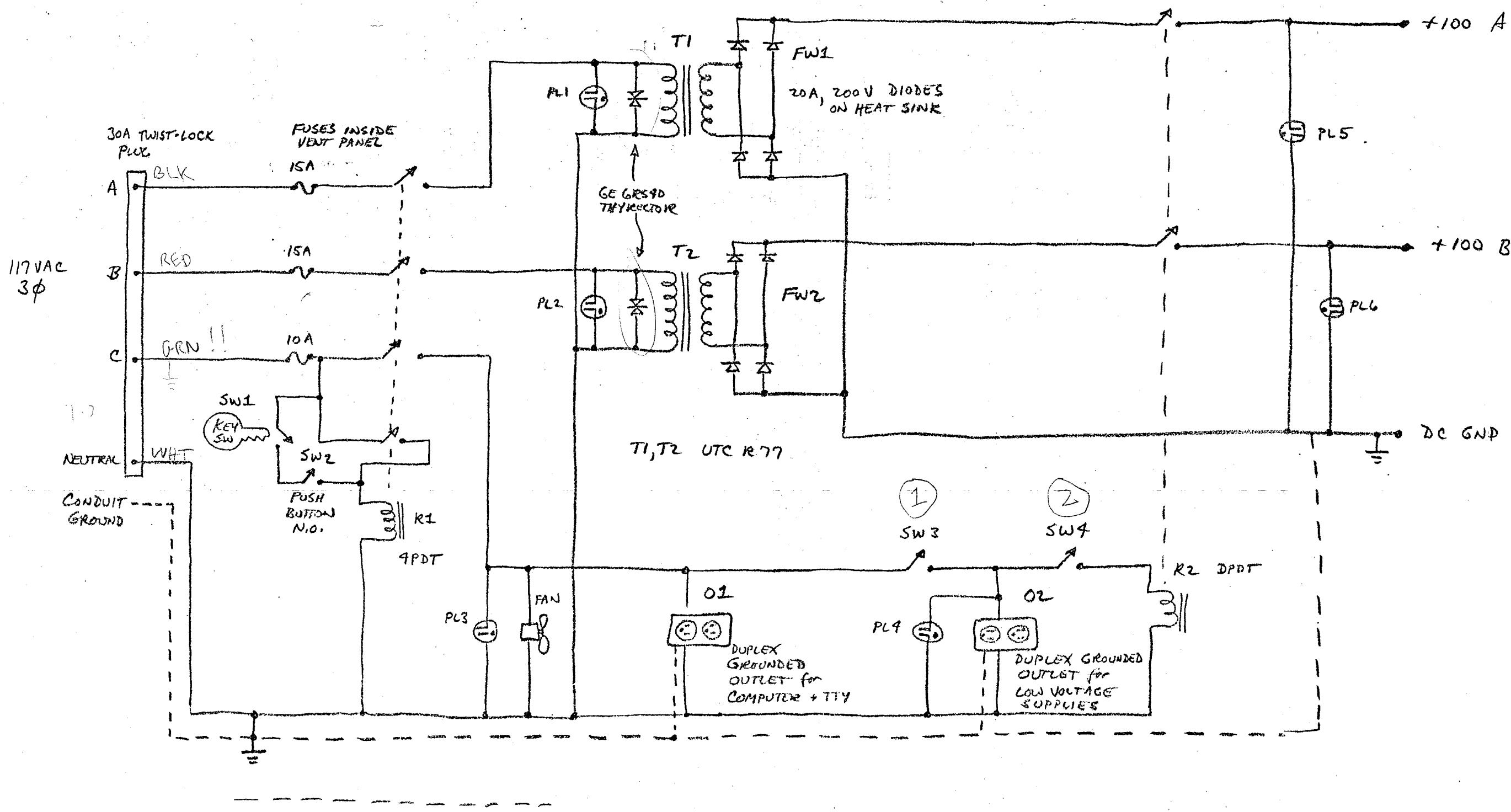
16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15	+15
S63	S62	S61	S60	S59	S58	S57	S56	S55	S54	S53	S52	S51	S50	S49	S48
GND															
OUT2															
-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15

NOTE: +15

GND
{ OUT1 }
{ OUT2 }Bussed to
all socketsS32 - S63 → PINS 1-32 of
36 PIN AMPHENOL CONN.
TO MATE WITH UNIT IN
DWG # 262OUT 1 : PHONO CABLES
OUT 2 :SEATTLE AIRPORT PROJECT
ART AREA # 4 - SOUND-LIGHT ENVIRONMENT

SCALE: N.S.	APPROVED BY:	DRAWN BY J.S.
DATE: 19 MAY 73	<i>[Signature]</i>	REVISED 19 MAY 73
RESONATOR UNIT WIRING SUMMARY		DRAWING NUMBER 264

XYSTRON INCORPORATED, N.Y., N.Y.



SEATTLE AIRPORTER PROJ.

SCALE: N.S.

DATE: 7 MAR 73

APPROVED BY:

J.H.

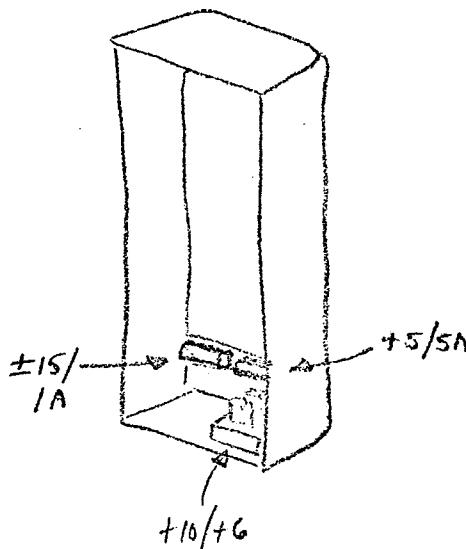
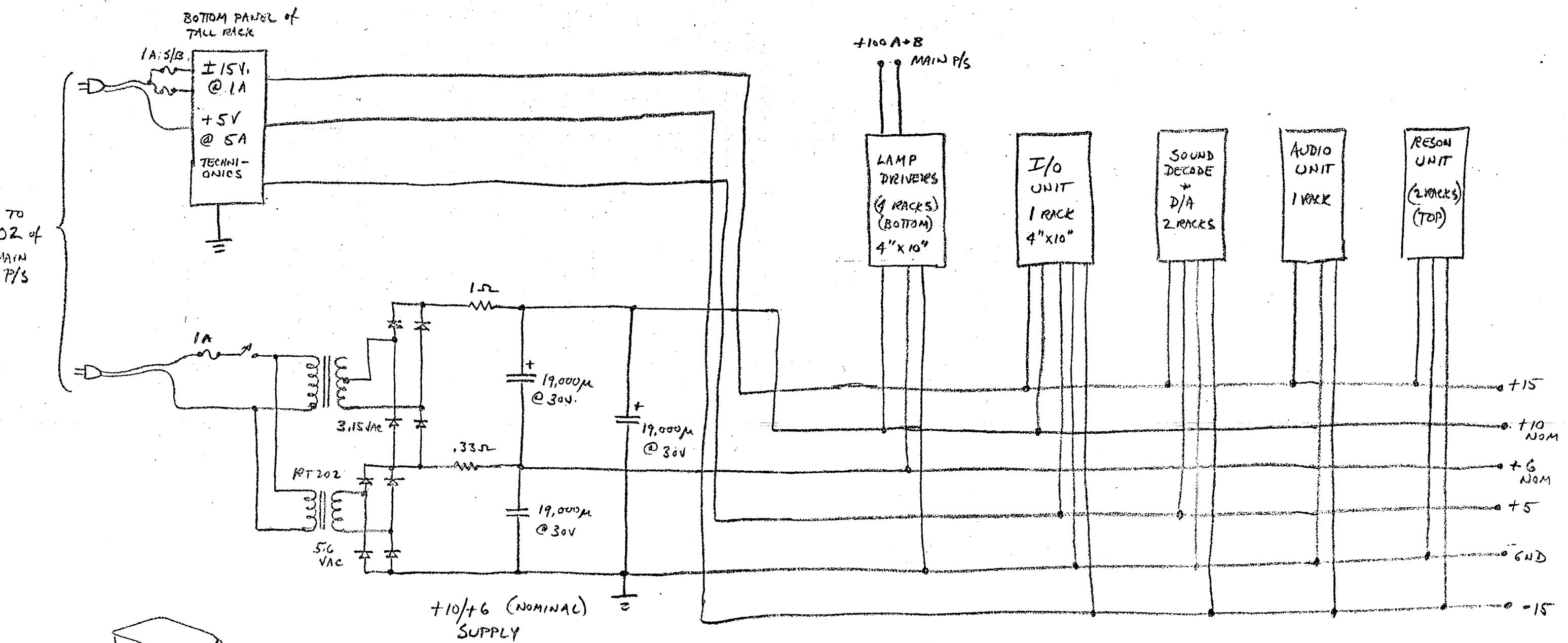
DRAWN BY J.S.

REVISED

XYSTROK INC, N.Y., N.Y.

MAIN POWER SUPPLY (CIRCUITS)

DRAWING NUMBER
271A



SEATTLE AIRPORT PROT.

SCALE: N.I.S.
DATE: 7 AVE 73

APPROVED BY:
J.M.

DRAWN BY J.S.
REVISED

KYSTRON, INC., N.Y., N.Y.

LOW VOLTAGE SUPPLY & DISTRIBUTION

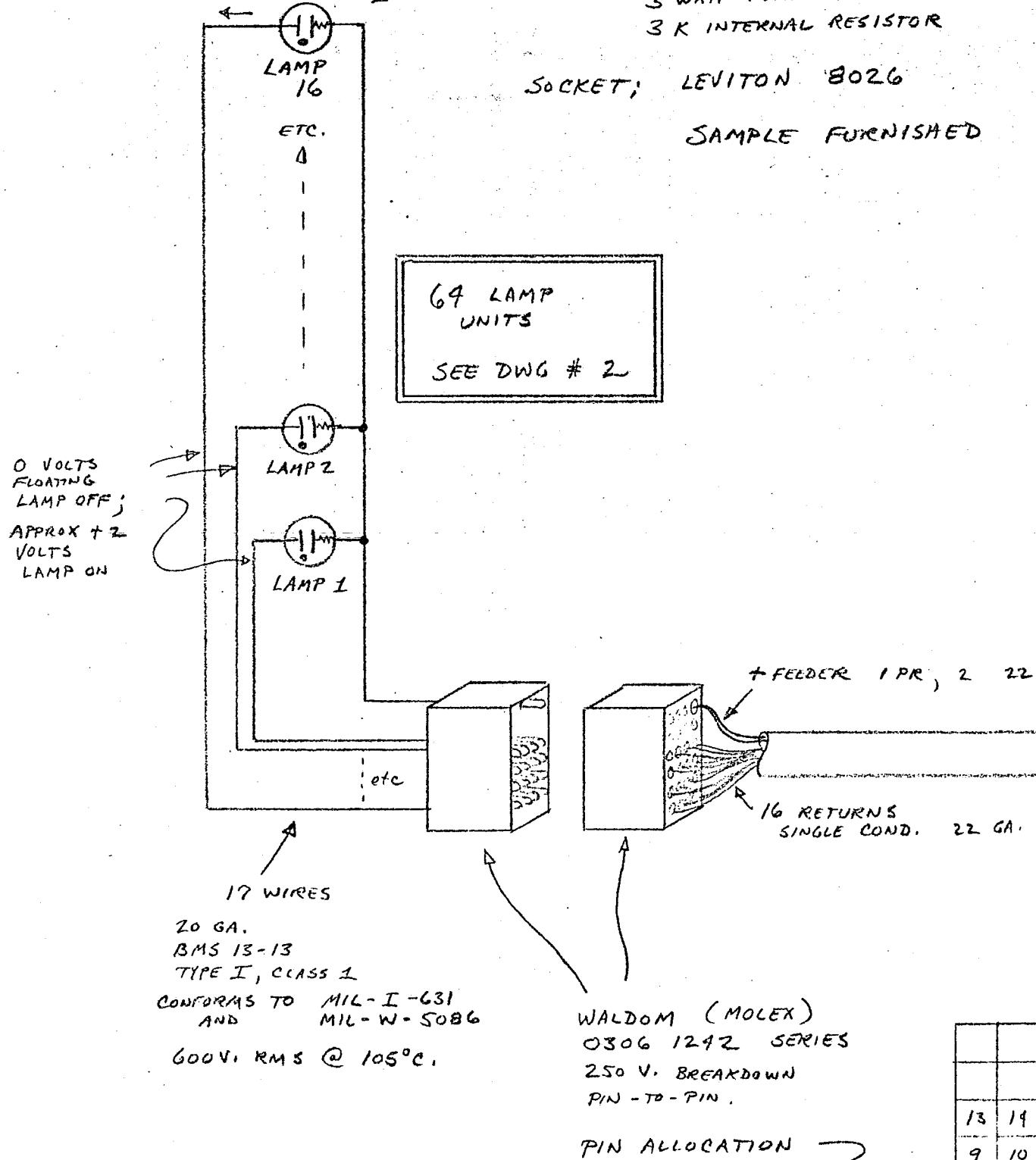
DRAWING NUMBER
272 A

LAMP CURRENT
≈ 28 mA.

LAMP: GE R6A (OLD # NE-40) NEON GLOW LAMP
3 WATT NOMINAL
3 K INTERNAL RESISTOR

SOCKET: LEVITON 8026

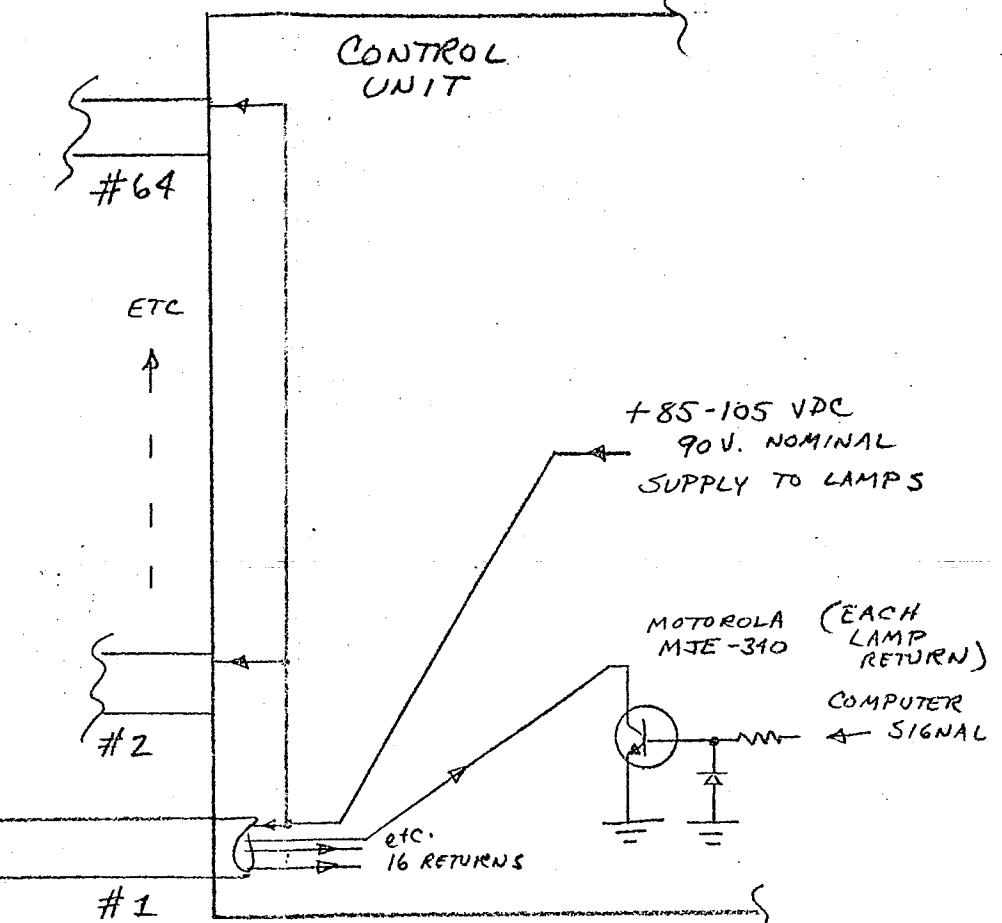
SAMPLE FURNISHED



PIN ALLOCATION

			+ FEED
13	14	15	16
9	10	11	12
5	6	7	8
1	2	3	4

} GND RETURNS



64 CABLES:
BELDEN 8748 OR
ALPHA 1303

9-PR 22 GA. MULTIPLE CABLE
200 WORKING VOLTS

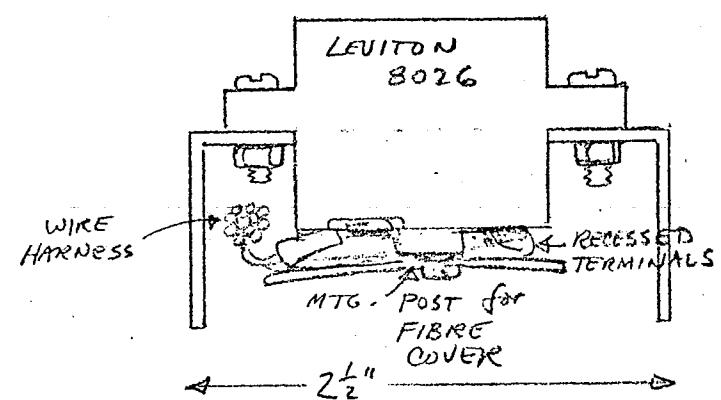
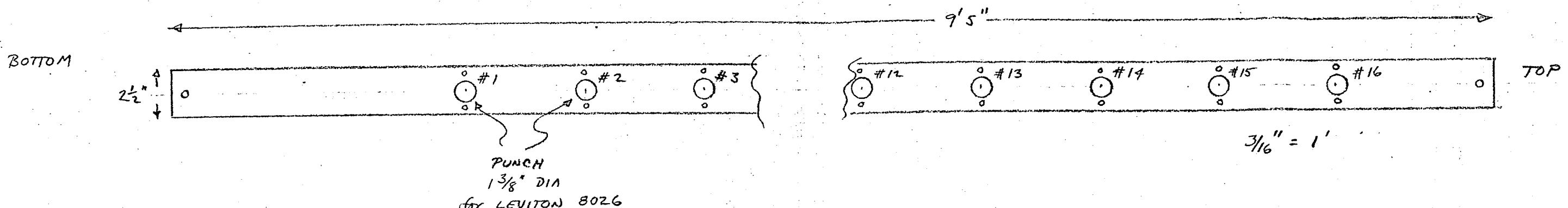
DETAILS of LAMP WIRING
ATTENTION OF: MR FRED WILLIAMS

SCALE: N.S.	APPROVED BY:	DRAWN BY J.S.,
DATE: 9 JULY 73		REVISED

SOUND-LIGHT ENVIRONMENT for
SEATTLE-TACOMA INT. AIRPORT

J. SEAWRIGHT
XYSTRON, INC.

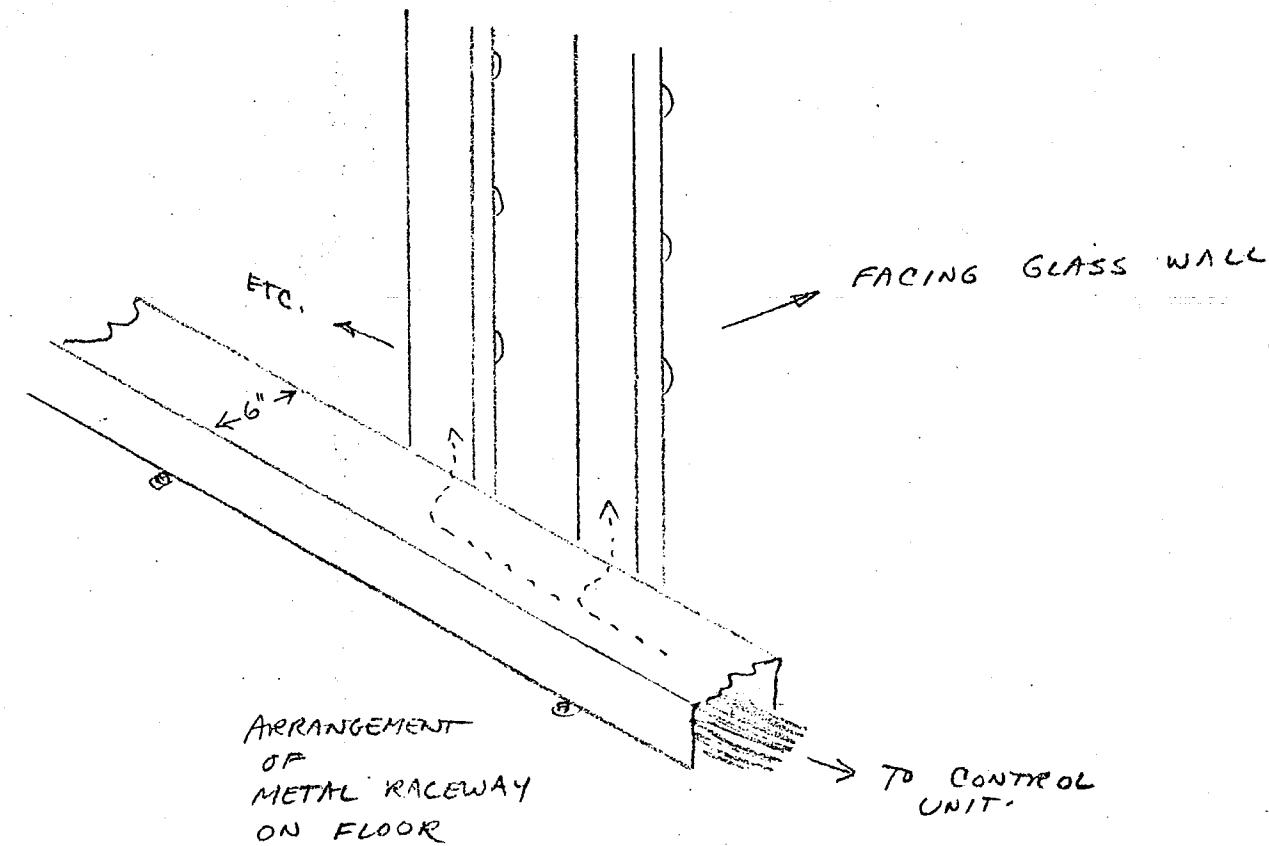
DRAWING NUMBER
281



SECTION

EXTENDED ALUMINUM
CHANNEL $\frac{1}{16}$ " SECTION

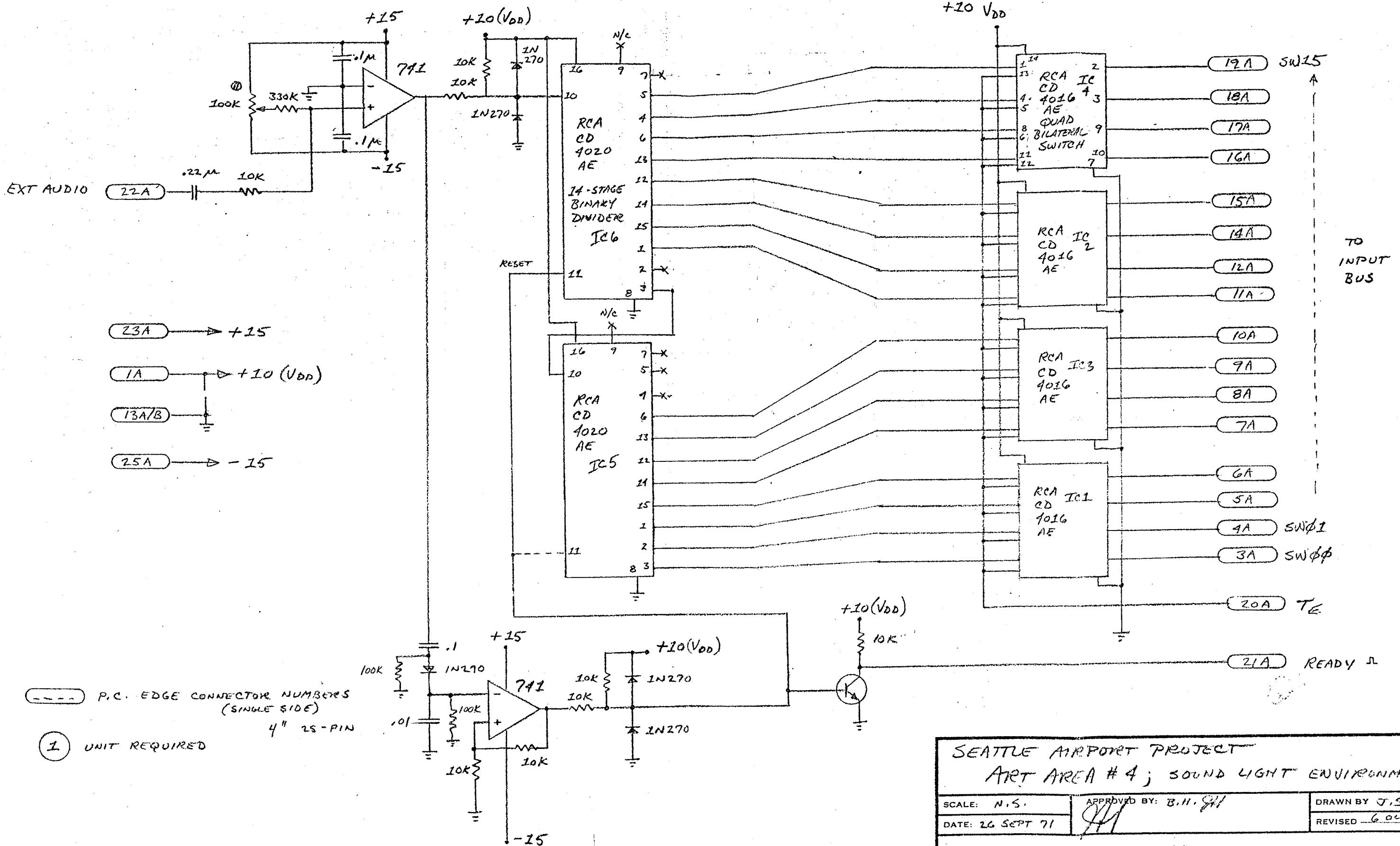
BLACK ANODIZE



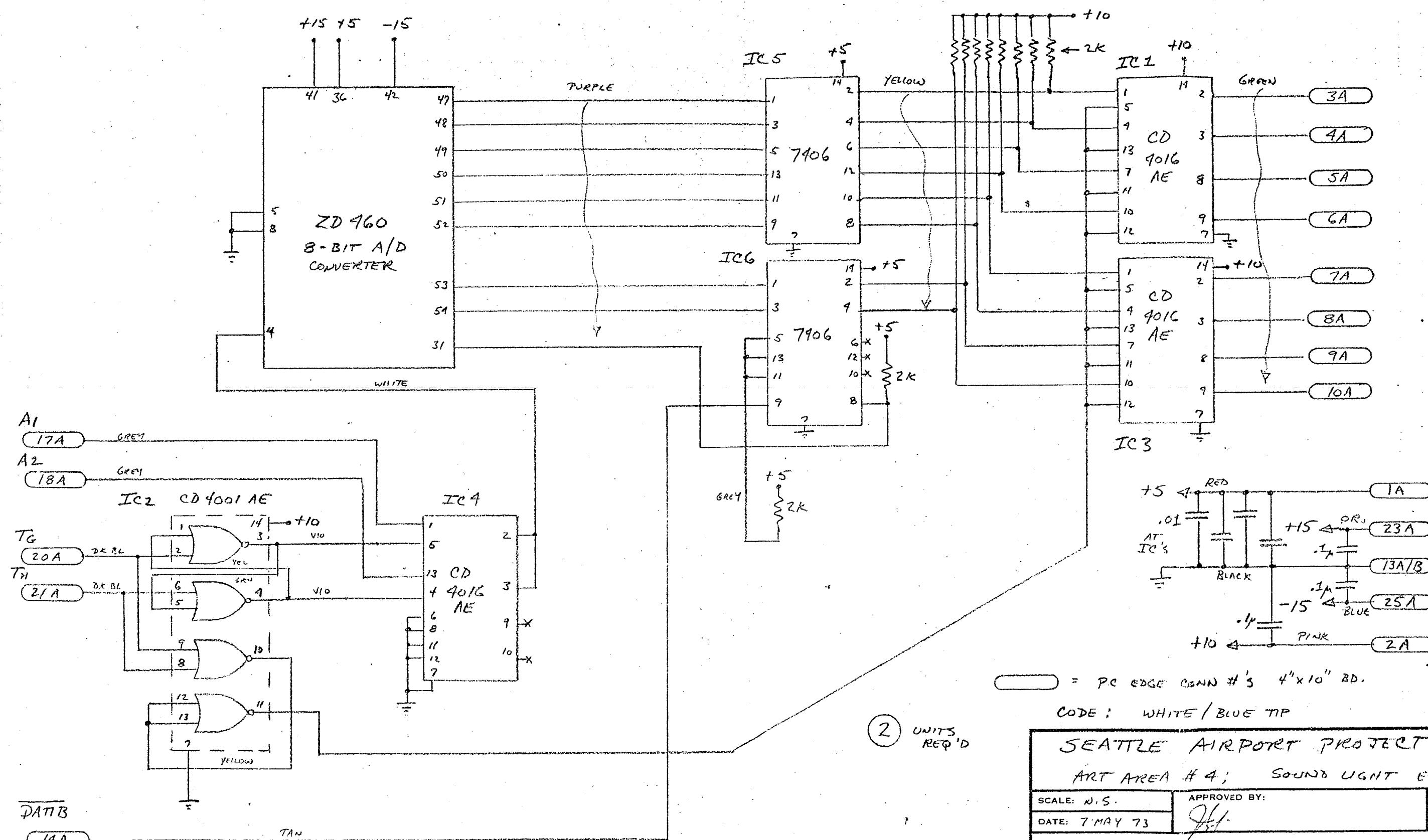
MECHANICAL DETAILS of LAMP SCREEN

ATTENTION of: MR. FRED WILLIAMS

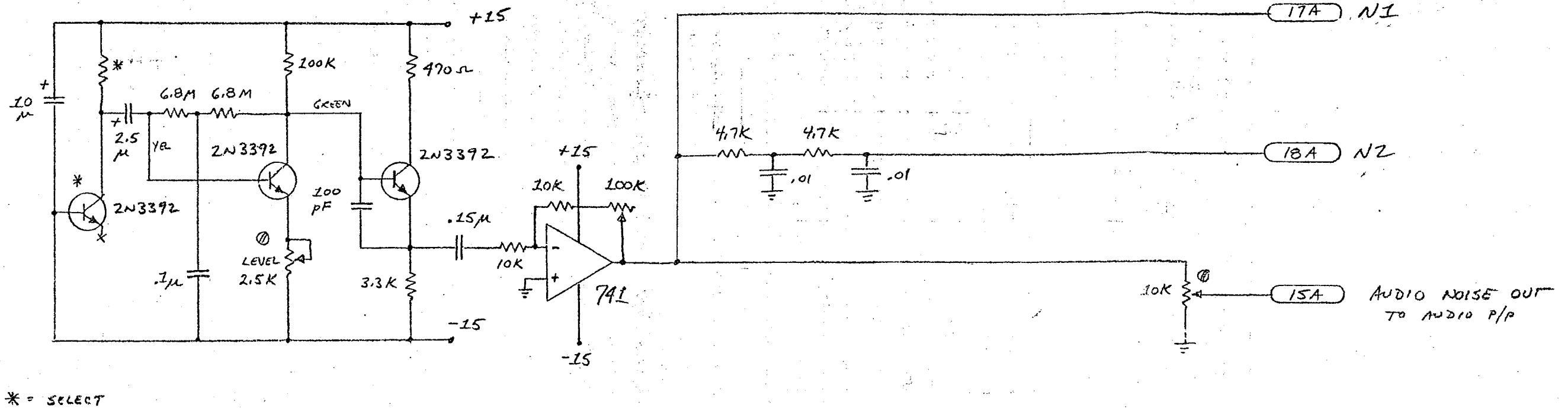
SCALE: N.S.	APPROVED BY:	DRAWN BY J.S.
DATE: 9 JULY 73		REVISED
SOUND-LIGHT ENVIRONMENT for SEATTLE-TACOMA INT. AIRPORT		
J. SEAWRIGHT KYSTRON, INC.	DRAWING NUMBER 282	



SEATTLE AIRPORT PROJECT		
ART AREA #4; SOUND LIGHT ENVIRONMENT		
SCALE: N.S.	APPROVED BY: B.H. SHI	DRAWN BY J.S.
DATE: 26 SEPT 71	<i>[Signature]</i>	REVISED 6 OCT 71
XYSTRON INCORPORATED, N.Y., N.Y.		
AUDIO INPUT SCALER SOUND SUB-SYSTEM		DRAWING NUMBER 309-R1

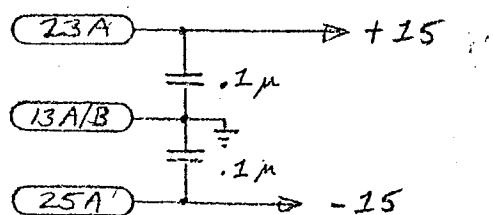


SCALE: N.S.	APPROVED BY:	DRAWN BY J.S.
DATE: 7 MAY 73	<i>J.S.</i>	REVISED 19 MAY 73
SEATTLE AIRPORT PROJECT		
ART AREA #4; SOUND LIGHT ENVIRONMENT		
XYS TRON INCORPORATED, N.Y., N.Y.		
8-BIT A-D CONVERTER		DRAWING NUMBER 305A

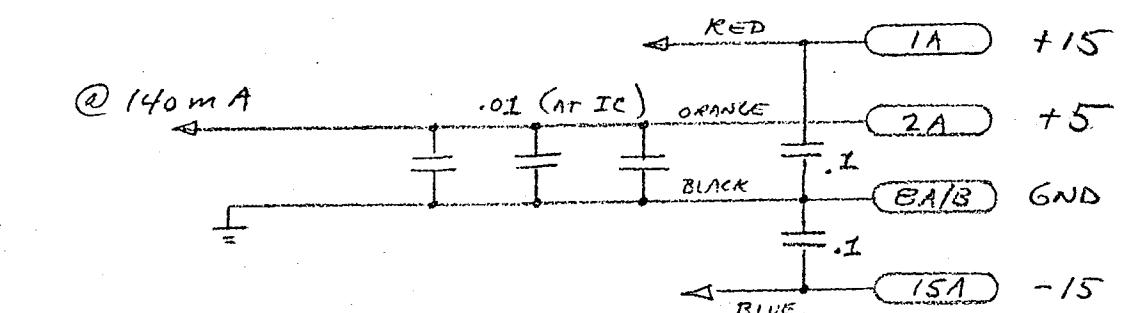
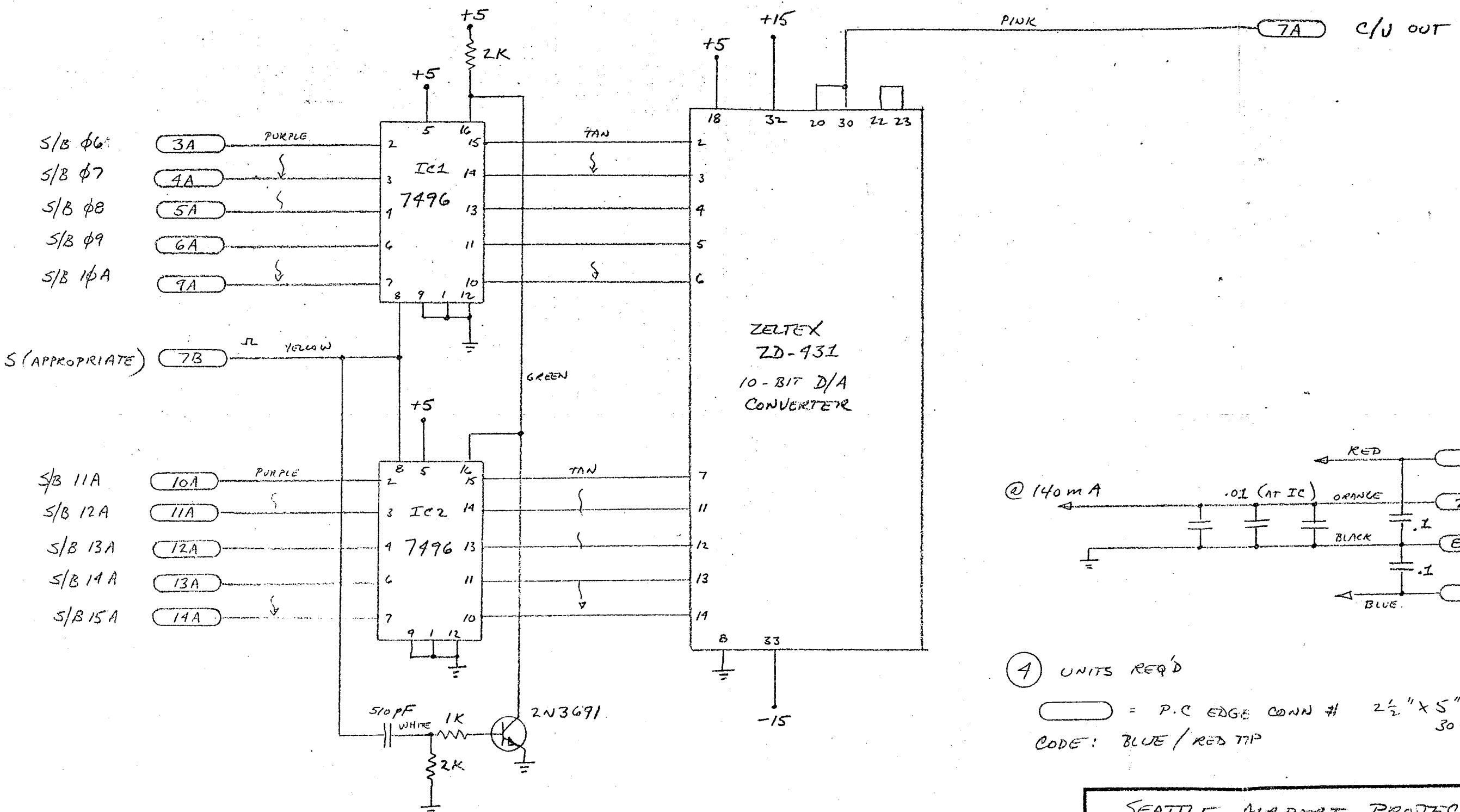


--- P.C. EDGE CONNECTOR NUMBERS
(SINGLE SIDE)
4" x 10" 25 PIN

① UNIT REQUIRED



SEATTLE AIRPORT PROJECT		
ART AREA #4; SOUND-LIGHT ENVIRONMENT		
SCALE: N.S.	APPROVED BY:	DRAWN BY J.S.
DATE: 2 OCT 71	<i>[Signature]</i>	REVISED
XYSTRON INCORPORATED, NY, NY.		
NOISE GENERATOR SOUND SUB-SYSTEM	DRAWING NUMBER 306 A	



(4) UNITS REQ'D

_____ = P.C. EDGE CONN # 2½" X 5" DOUBLE SIDE
 30-PIN.
 CODE: BLUE / RED T/P

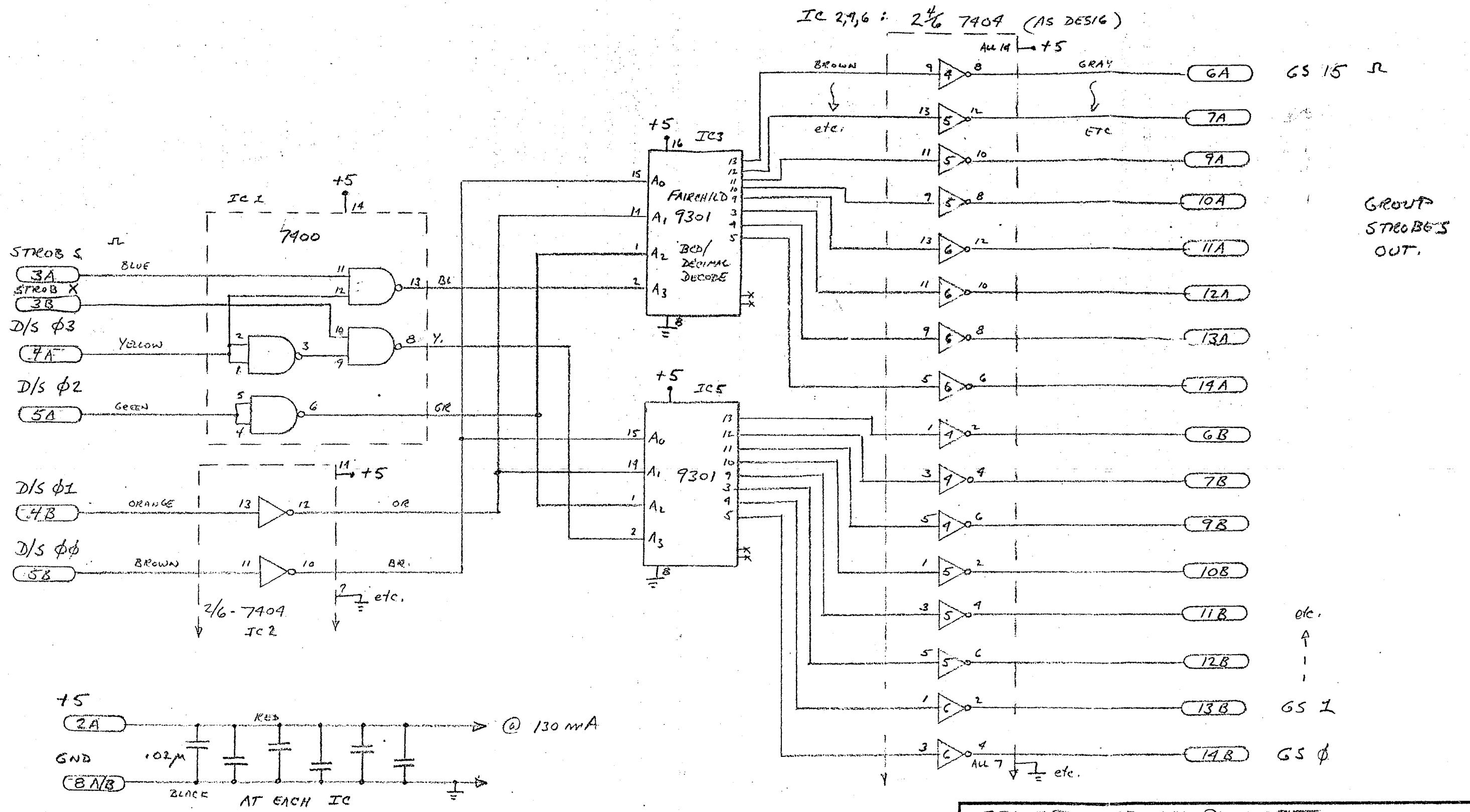
SEATTLE AIRPORT PROJECT

SCALE: N.S.	APPROVED BY:	DRAWN BY J. S.
DATE: 2 FEB 73	JH	REVISED 19 MAY 73

XYSTRON INCORPORATED, NY, NY

DRAWING NUMBER	308A
10-BIT D/A CONVERTER	

NOTE: THIS DWG. REPLACES DWG 310, WHICH IS CANCELLED
 SEE DWG 311A FOR SUPPLEMENTARY DATA

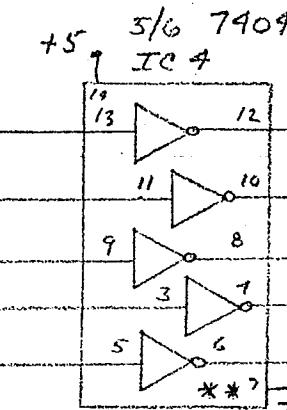
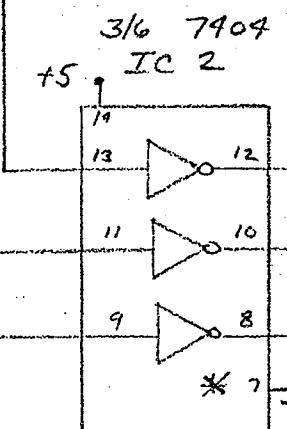
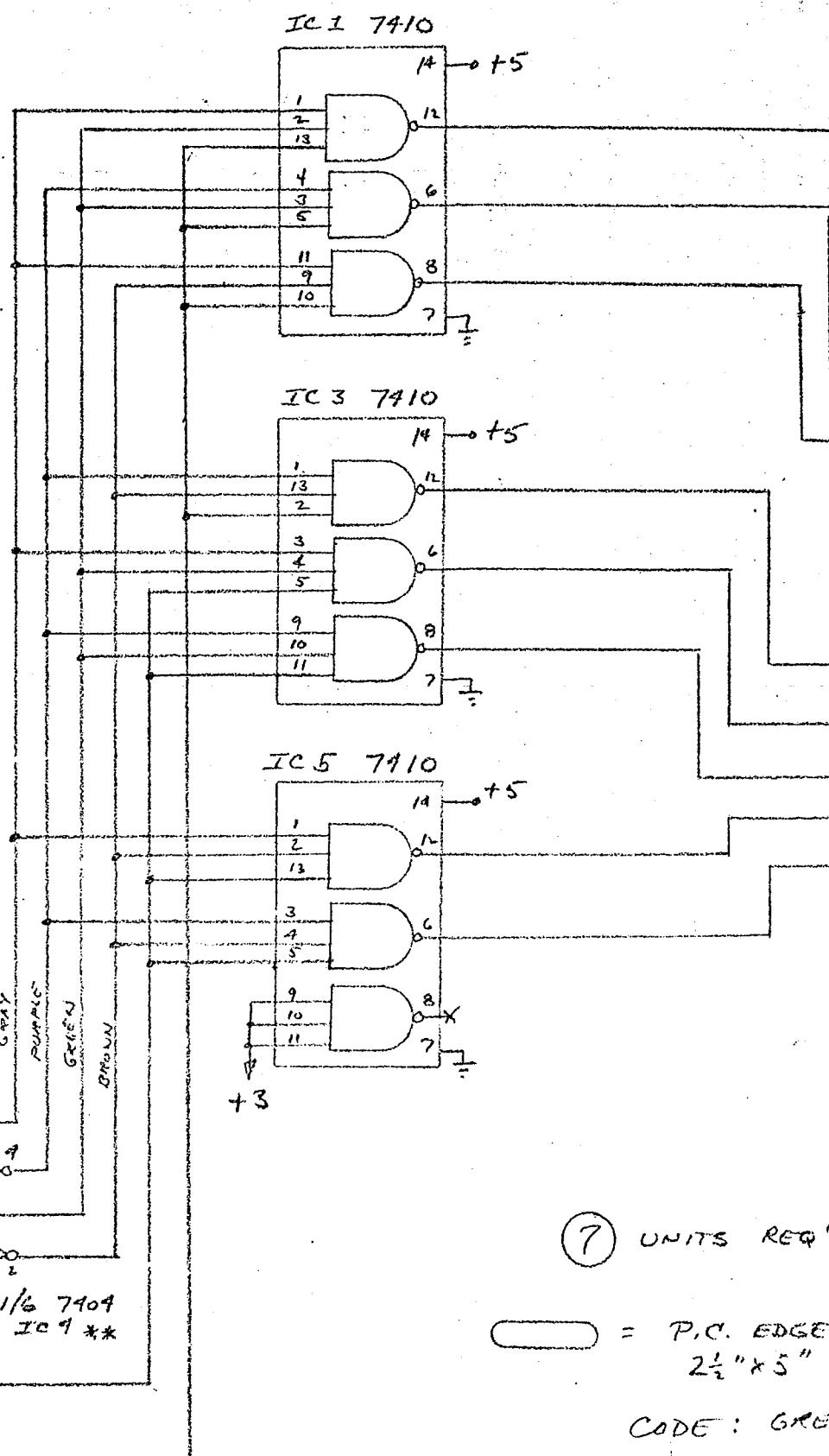


① REPD

= P.C. EDGE CONNECTOR #
2^{1/2}" x 5" BOARD
CODE: GREEN / RED TIP

THIS DWG REPLACES DWG 309 - 309 CANCELLED

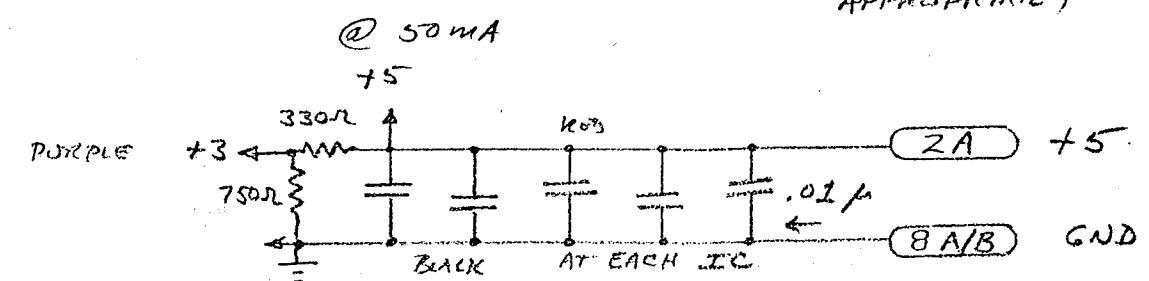
SEATTLE AIRPORT PROJECT		
ART AREA #4 ; SOUND - LIGHT ENVIRONMENT		
SCALE: N.S.	APPROVED BY:	DRAWN BY
DATE: 2 JAN 73	<i>JL</i>	REVISED 19 MAY 73
XYSTRON INCORPORATED, NY, NY.		
PRIMARY DEVICE/SELECT DECODER SOUND SUB-SYSTEM		DRAWING NUMBER 309A



50 5L
51
52

53
54
55
56
57

(AND HIGHER ORDER, AS APPROPRIATE)



⑦ UNITS REQ'D

= P.C. EDGE CONNECTOR #
2½" x 5" DOUBLE SIDE 30 PIN

CODE: GREEN/WHITE TIP

SEATTLE AIRPORT PROJECT

ART AREA #4 ; SOUND LIGHT ENVIRONMENT

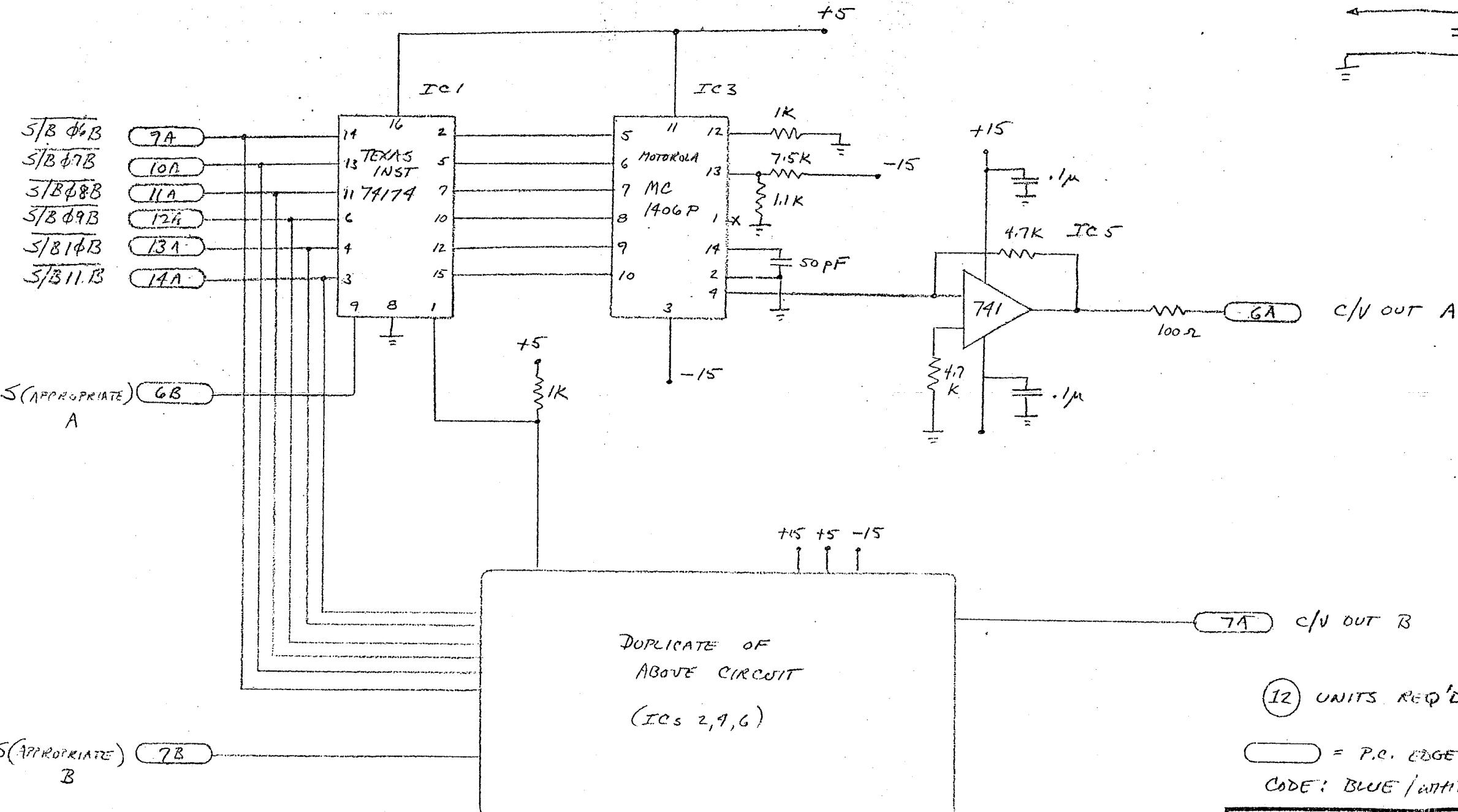
SCALE: N.S.	APPROVED BY:	DRAWN BY J.S.
DATE: 30 JAN 73	<i>J.S.</i>	9 JAN 73
		REVISED -

XYSTRON INCORPORATED, NY, NY.

SECONDARY DEVICE / SELECT DECODER
SOUND SUB-SYSTEM

DRAWING NUMBER
310 A

THIS DWG REPLACES DWG 310



OK 1A1473
SEATTLE AIRPORT PROJECT

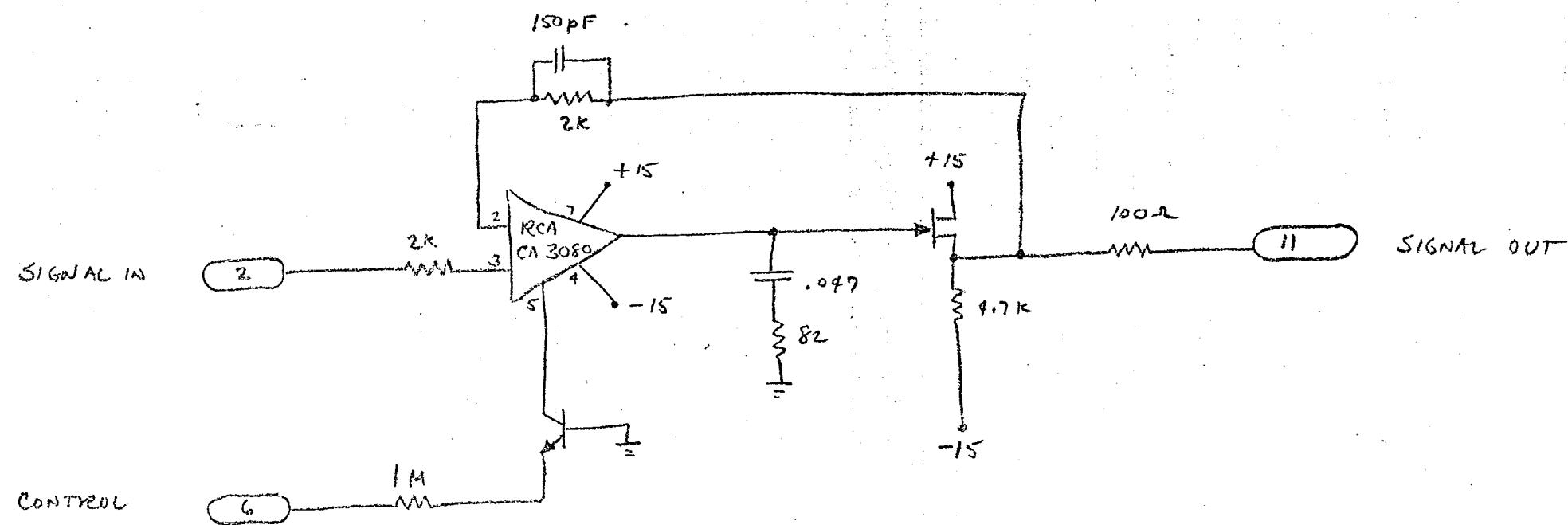
SCALE: N.S.	APPROVED BY:	DRAWN BY J.S.
DATE: 4 FEB 73	<i>J.S.</i>	REVISED —

XYSTRON INCORPORATED, N.Y., N.Y.

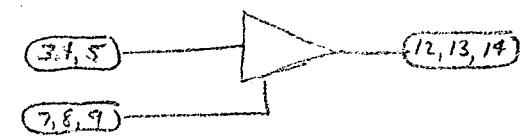
DUAL 6-BIT D/A CONVERTER

DRAWING NUMBER
311A

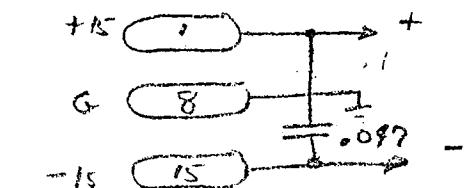
NOTE: THIS DWG REPLACES DWG 311 WHICH IS CANCELLED.



ABOVE CKT DUPLICATED 4 TIMES ON CARD



HANDLE : GREEN



SEATTLE AIRPORT PROJECT

SCALE: N.S.
DATE: 4 AUG 73

APPROVED BY:
J.A.

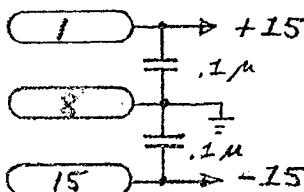
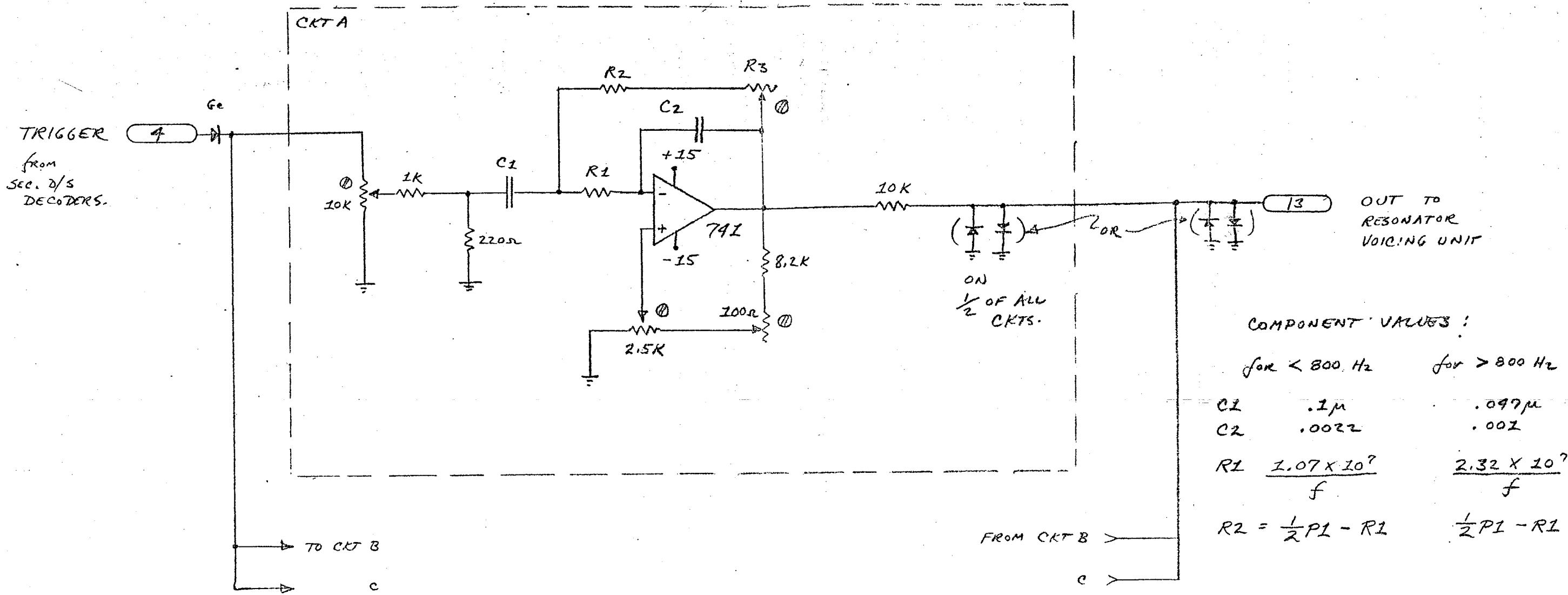
DRAWN BY J.S.
REVISED

XYSTRON, INC., N.Y., N.Y.

QUAD SAMPLE HOLD CARD

DRAWING NUMBER
312A

CIRCUIT IN DOTTED BOX DUPLICATED 3 TIMES PER CARD.



--- = P.C. EDGE CONNECTOR NUMBER

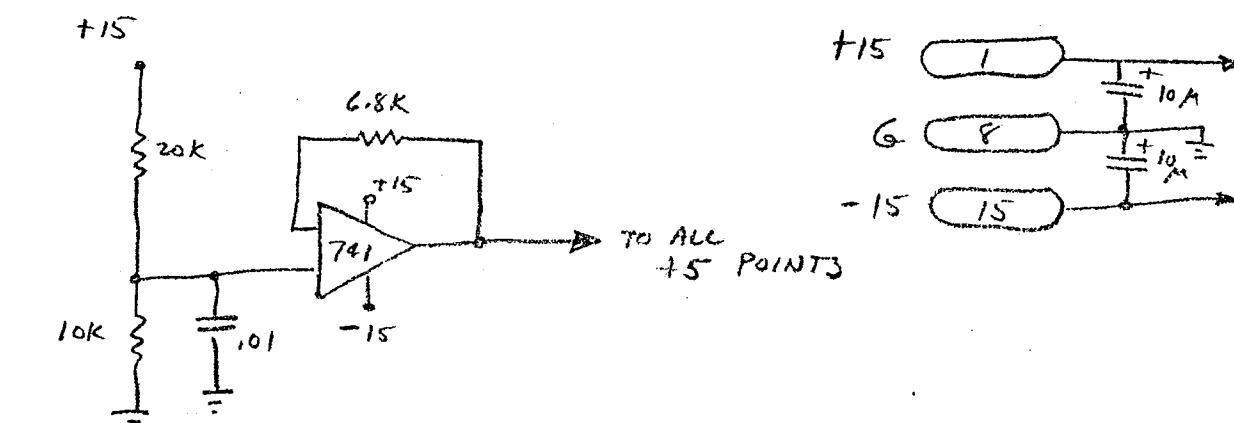
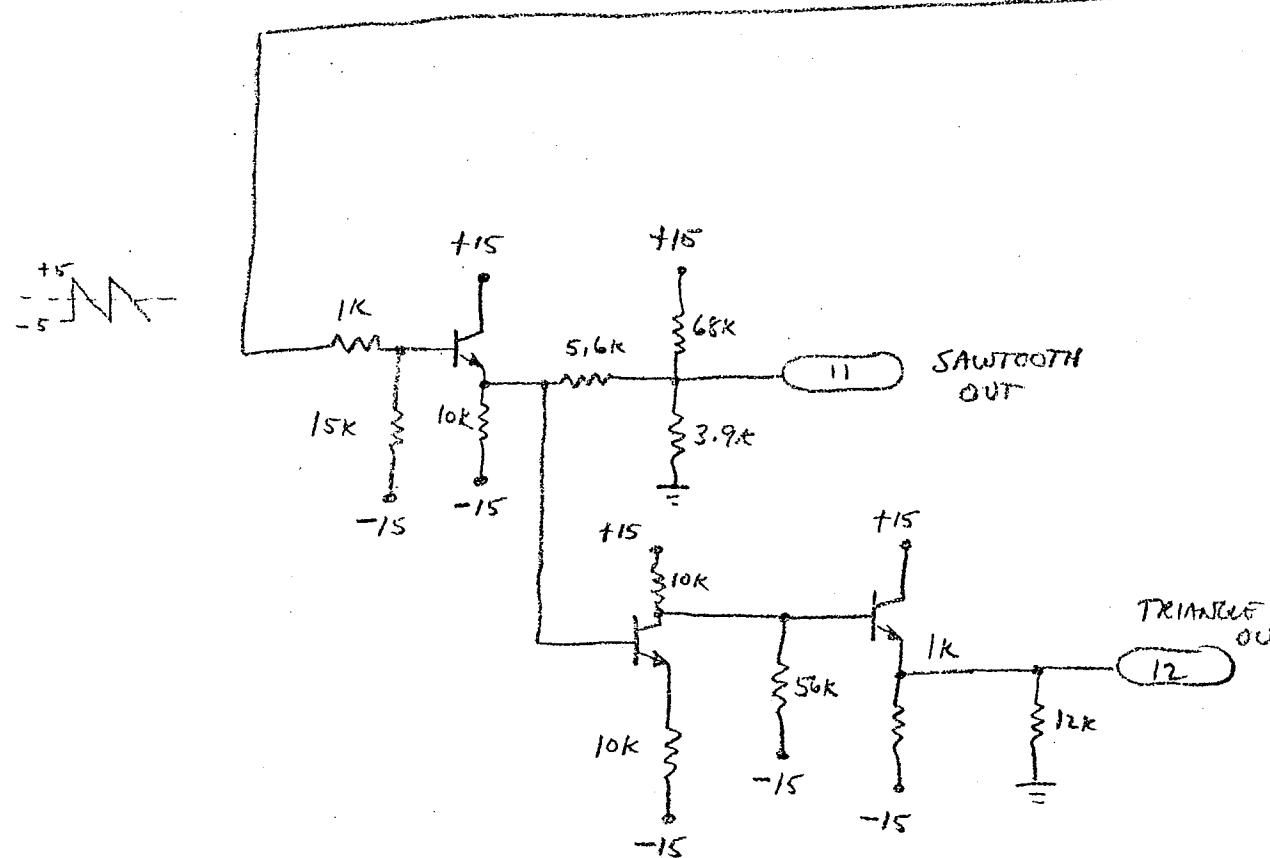
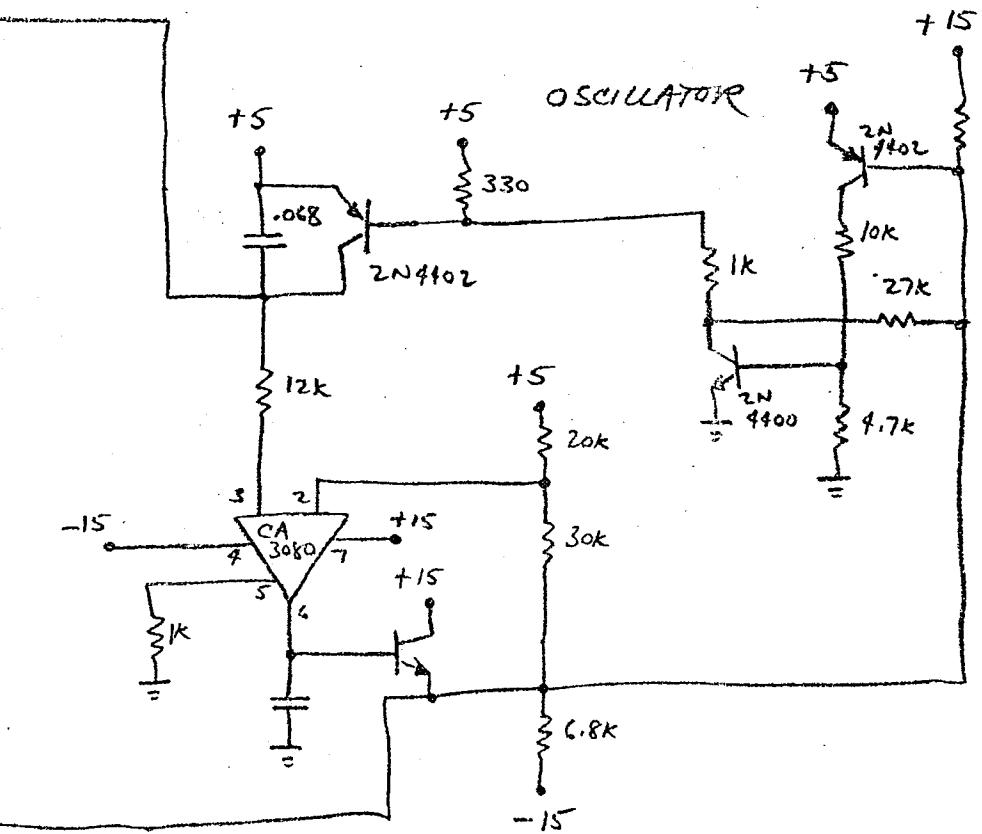
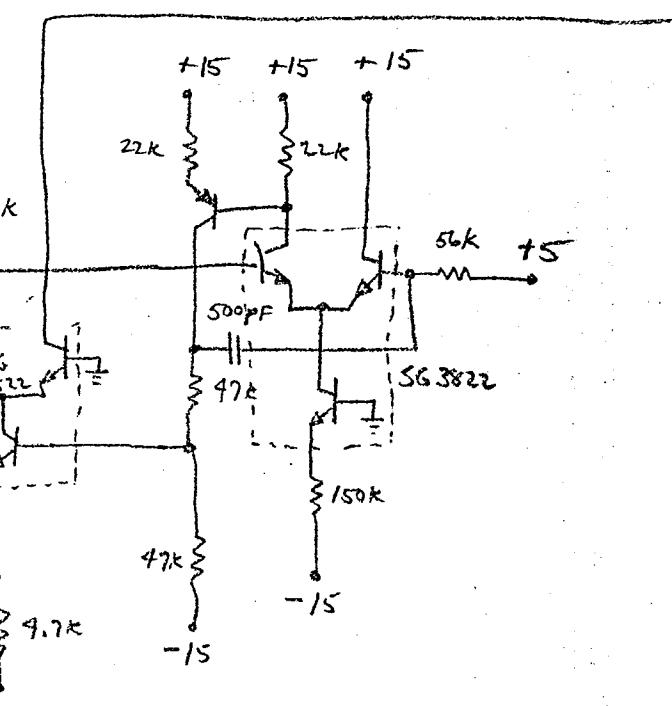
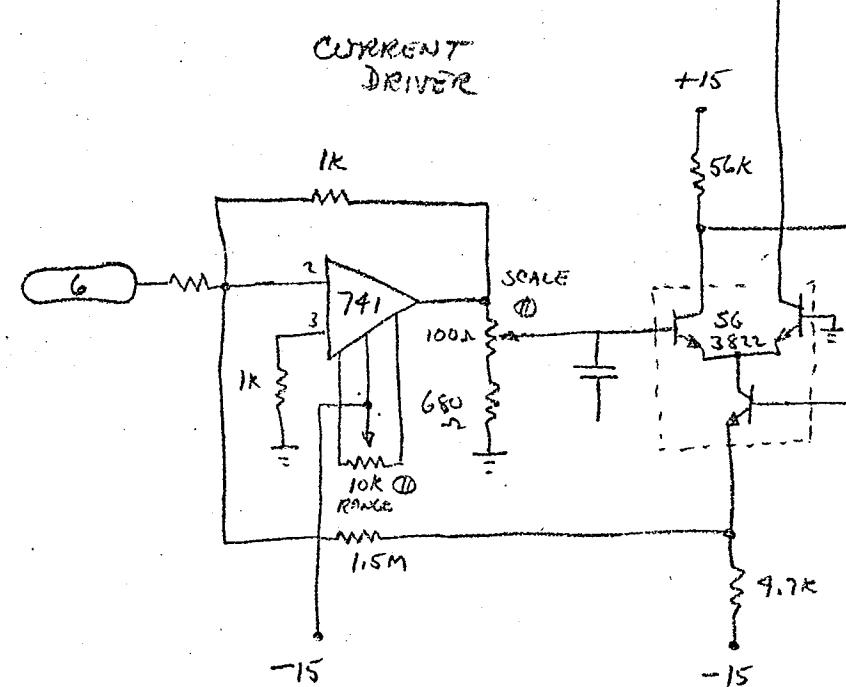
(32) UNITS REQUIRED

SEATTLE AIRPORT PROJECT
ART AREA #4; SOUND-LIGHT ENVIRONMENT

SCALE: N.S.	APPROVED BY:	DRAWN BY J.S.
DATE: 2 OCT 71	J.S.	REVISED 1 NOV 71

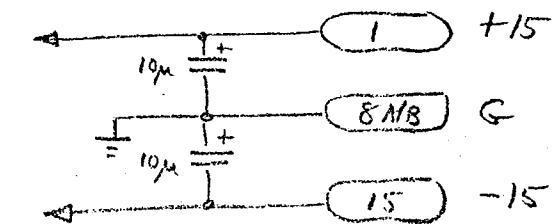
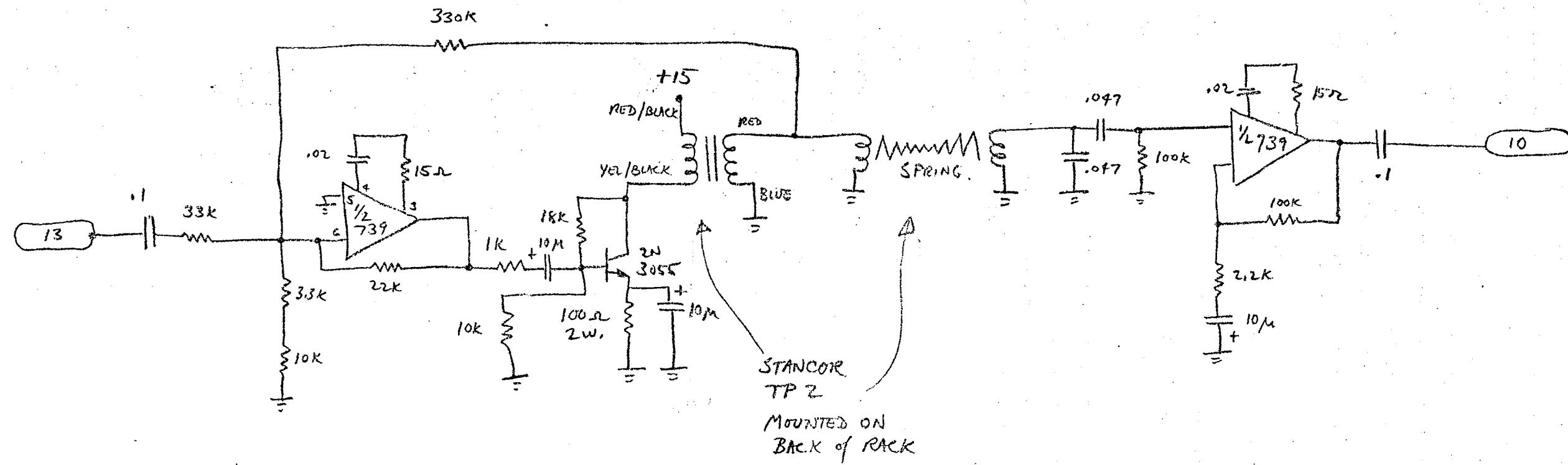
JAMES SEAWRIGHT fm:
HUMANITIES - INTERMEDIA CORP., N.Y., N.Y.

TRIPLE RESONATOR CARD SOUND SUB-SYSTEM	DRAWING NUMBER 313-R1
---	--------------------------



SEATTLE AIRPORT PROJECT

SCALE: N.S.	APPROVED BY:	DRAWN BY J.S.
DATE:	<i>[Signature]</i>	REVISED
XYSTRON, INC. N.Y., N.Y.		DRAWING NUMBER 319A
VOLTAGE CONTROLLED OSCILLATOR		



NO HANDLE!
IDENTIFY BY 2N3055 POWER TRANSISTOR

SEATTLE AIRPORT PROJECT

SCALE: N.S.

DATE: 3 AUG '73

APPROVED BY:

[Signature]

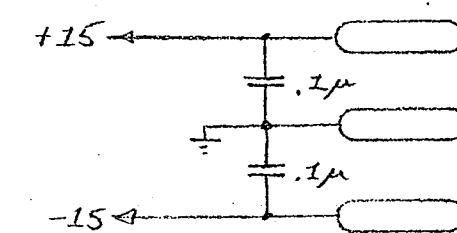
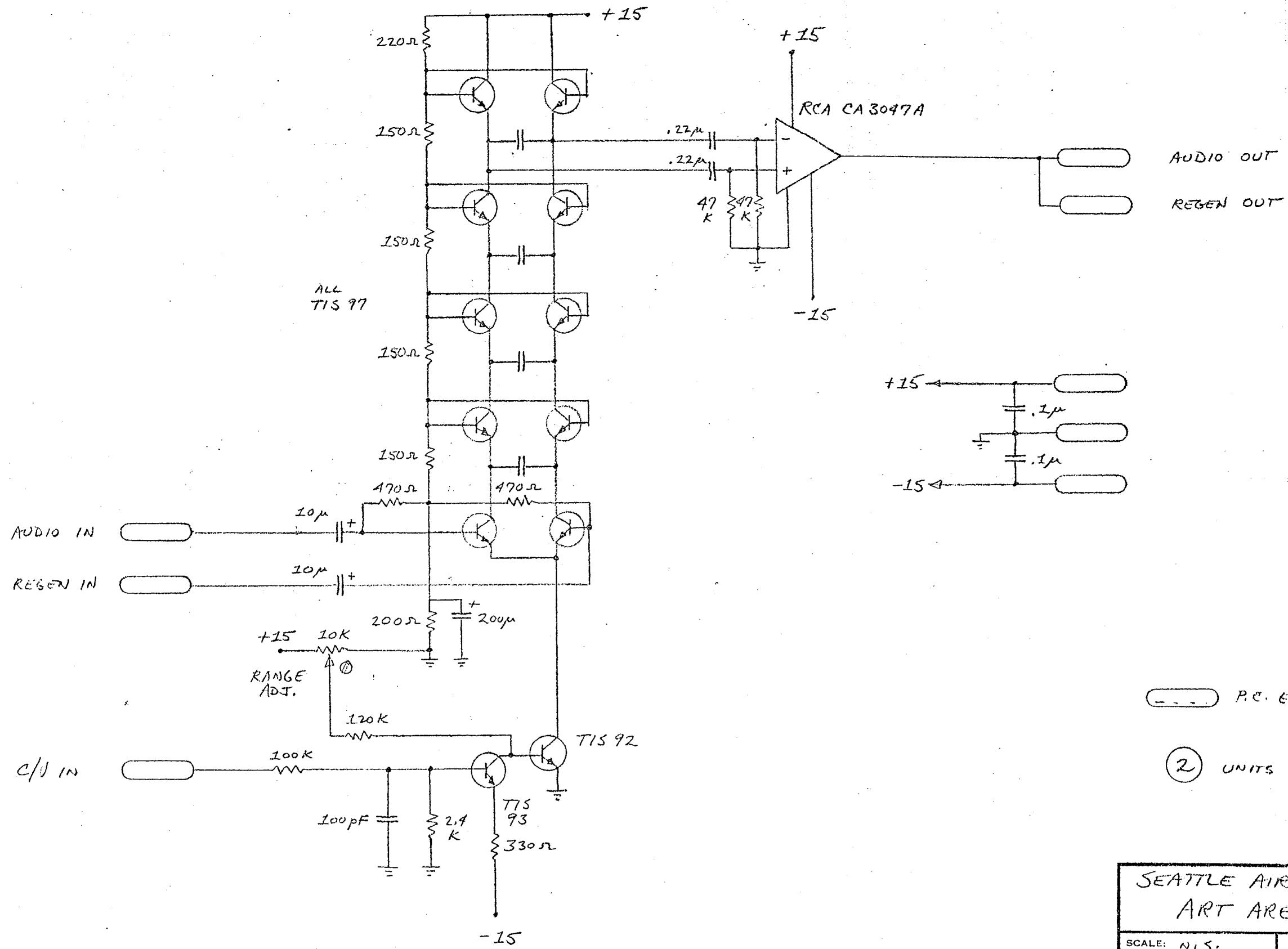
DRAWN BY J.S.

REVISED

XYSSTRON INC., N.Y., N.Y.

REVERSE DIODE & RECOVERY

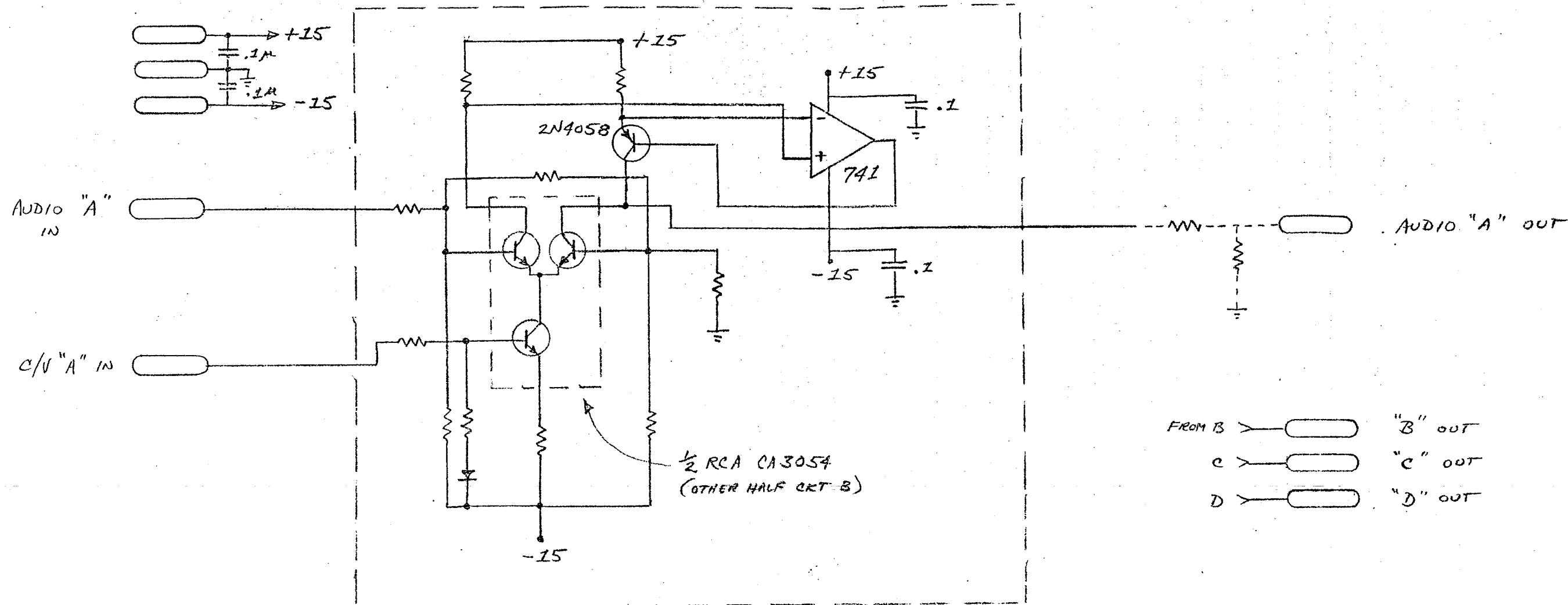
DRAWING NUMBER
315A



P.C. EDGE CONNECTOR NUMBERS
(SINGLE SIDE)
2 1/2" 15-PIN
X
5"

(2) UNITS REQUIRED.

SEATTLE AIRPORT PROJECT		
ART AREA #4; SOUND-LIGHT ENVIRONMENT		
SCALE: N.S.	APPROVED BY:	DRAWN BY J.S.
DATE: 8 OCT 71	<i>J.S.</i>	REVISED -
JAMES SEAWRIGHT for: HUMANITIES + INTERMEDIA CORP, N.Y., N.Y.		
VOLTAGE-CONTROLLED FILTER SOUND SUB-SYSTEM (DIAL)		DRAWING NUMBER 317



"B" IN AUDIO →
c/v → TO CKT B

"C" IN AUDIO →
c/v → C

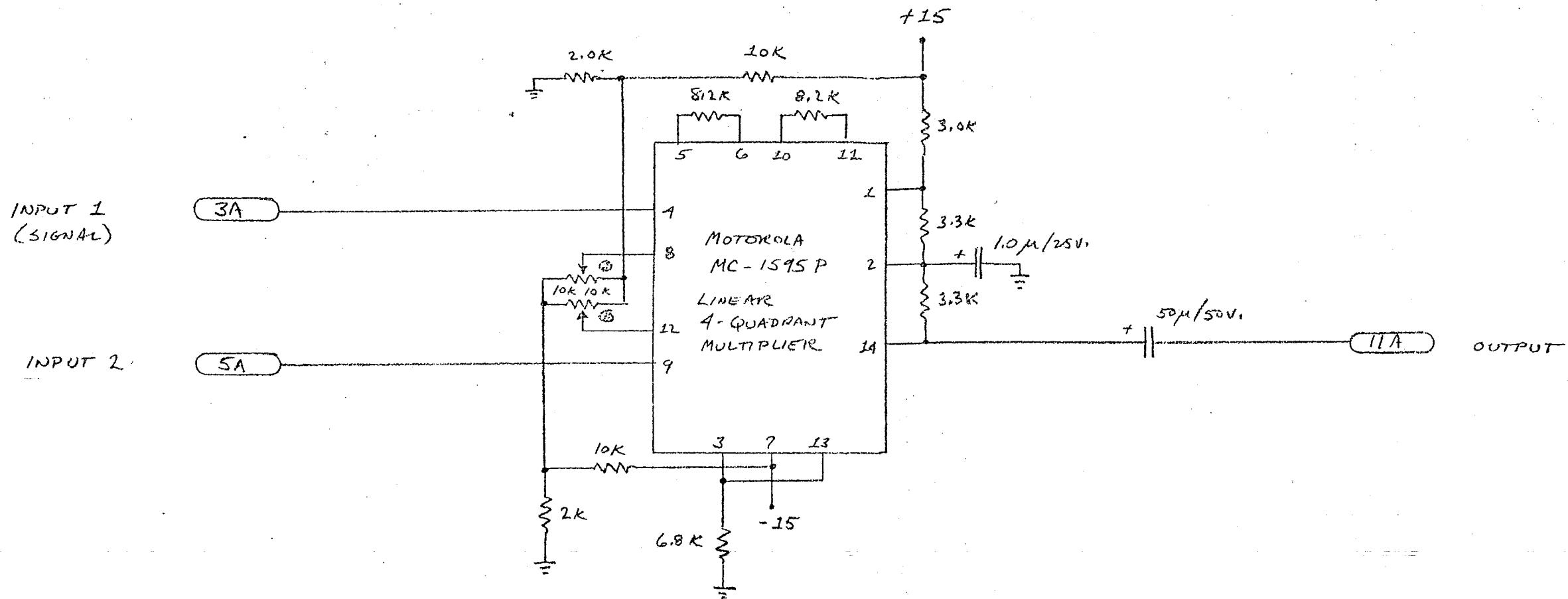
"D" IN AUDIO →
c/v → D

----- = P.C. EDGE CONNECTOR NUMBER
(SINGLE SIDE)
 $2\frac{1}{2}$ " 15-PIN

(3) UNITS REQUIRED

SEATTLE AIRPORT PROJECT
ART AREA #4; SOUND-LIGHT ENVIRONMENT

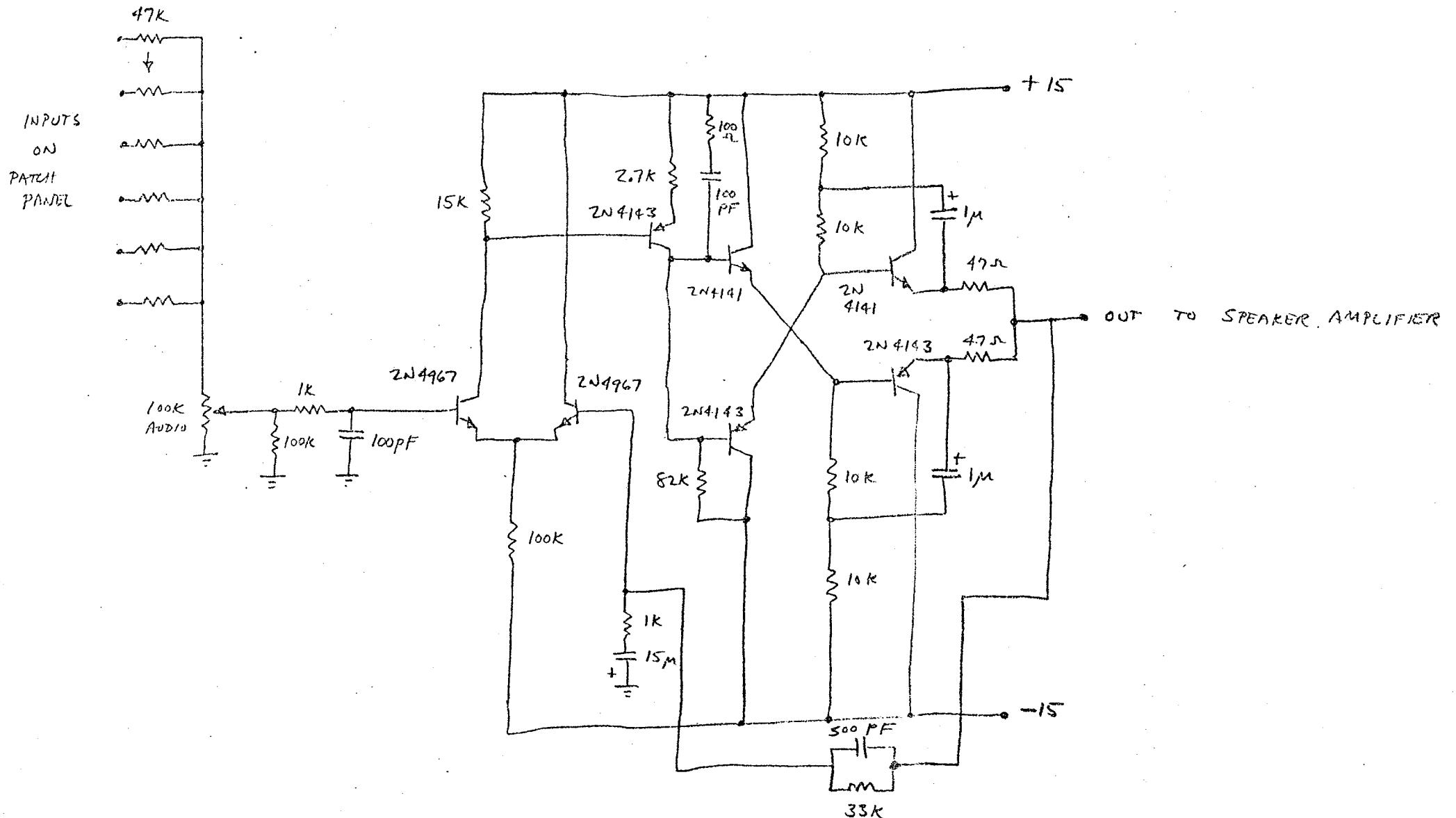
SCALE: N.S.	APPROVED BY:	DRAWN BY J.S.
DATE: 2 OCT 71	<i>J.S.</i>	REVISED -
JAMES SEAWRIGHT for: HUMANITIES + INTERMEDIA CORP., N.Y., N.Y.		DRAWING NUMBER
QUAD VOLTAGE-CONTROLLED AMPLIFIER SOUND SYSTEM		318



1A → +15
 8A/B → 1.0μ/25V
 15A → -15

--- P.C. EDGE CONNECTOR NUMBER
 (SINGLE SIDE)
 2 UNIT REQ'D.
 2½" × 5"

SCALE: N.S.	APPROVED BY:	DRAWN BY J.S.
DATE: 2 NOV 71	<i>[Signature]</i>	REVISED 19 MAY 73
SEATTLE AIRPORT PROJECT ART AREA #4; SOUND-LIGHT ENVIRONMENT		
XYSTRON INCORPORATED, NY, NY.		
RING MODULATOR CARD SOUND SUB-SYSTEM		
DRAWING NUMBER 319A		



② Req'd

SEATTLE AIRPORT PROJECT		
SCALE: N.S.	APPROVED BY: <i>J.H.</i>	DRAWN BY J.S.
DATE: 4 AUG 73		REVISED
XYSTRON INC., N.Y., N.Y.		
MIXING AND LINE OUTPUT AMPLIFIER SOUND SYSTEM	DRAWING NUMBER	325 A