

APPENDIX

3

APPENDIX 3
 MODEL 26.268-1
 DIGITAL VOLTMETER

1. INTRODUCTION

The Model 26.268-1 Digital Voltmeter is identical to the Model 26.268-0 except for the addition of two Model 6.657-0 Buffer Inverter circuit cards. These cards are shown on system schematic Drawing D00 026 0268 0S, Sheet 7. Figures 1 and 2 locate major voltmeter components, while Table 1 presents a summary of the buffered functions on output connector J2.

2. SPECIFICATIONS

Electrical specifications for the Model 26.268-0 apply to the Model 26.268-1, but, because the buffer inverter cards have been added, the BCD output NOT terminals have additional isolation between the driven device and voltmeter digitizing circuitry.

PIN	FUNCTION
1-A	Spare
1-C	Spare
1-B	1's $\bar{1}$
1-D	1's $\bar{2}$
1-F	1's $\bar{4}$
1-H	1's $\bar{8}$
1-K	10's $\bar{1}$
1-M	10's $\bar{2}$
1-P	10's $\bar{4}$
1-S	10's $\bar{8}$
1-U	100's $\bar{1}$
1-W	100's $\bar{2}$
1-Y	100's $\bar{4}$
2-B	100's $\bar{8}$
2-D	1000's $\bar{1}$
2-F	1000's $\bar{2}$
2-H	1000's $\bar{4}$
2-K	1000's $\bar{8}$

Table 1 Output Connector J2
 Buffered Pin Functions

3. PARTS LIST

6. 657 Buffer Inverter

4. DRAWINGS

<u>Unit or Component</u>	<u>Type of Drawing</u>	<u>Drawing Number</u>
26. 268 Digital Voltmeter	Schematic	D026 0268 0S (Sheets 5 through 8)
	Wiring	D026 0268 0W (Sheets 6 through 10)
6. 657-0 Buffer Inverter	Schematic	B00 006 657 0S

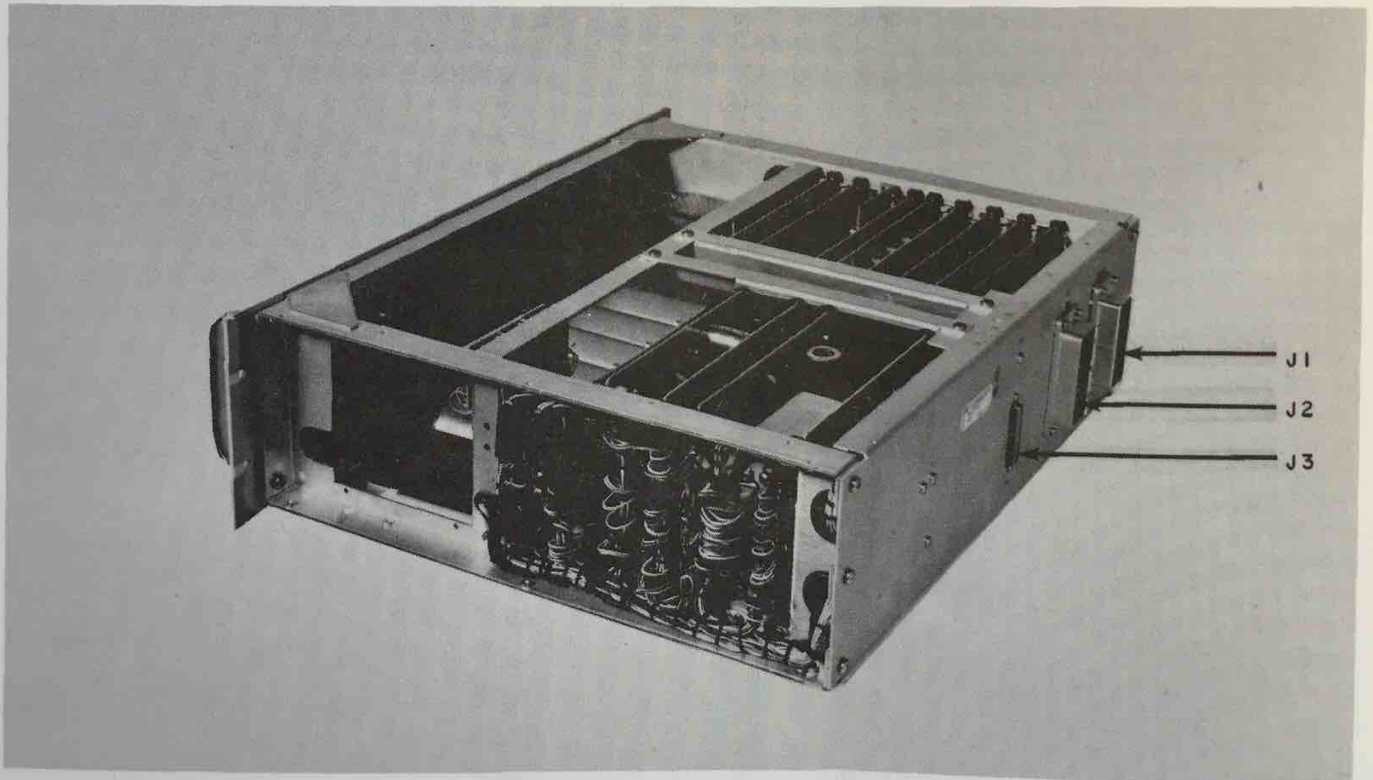


Figure 1.

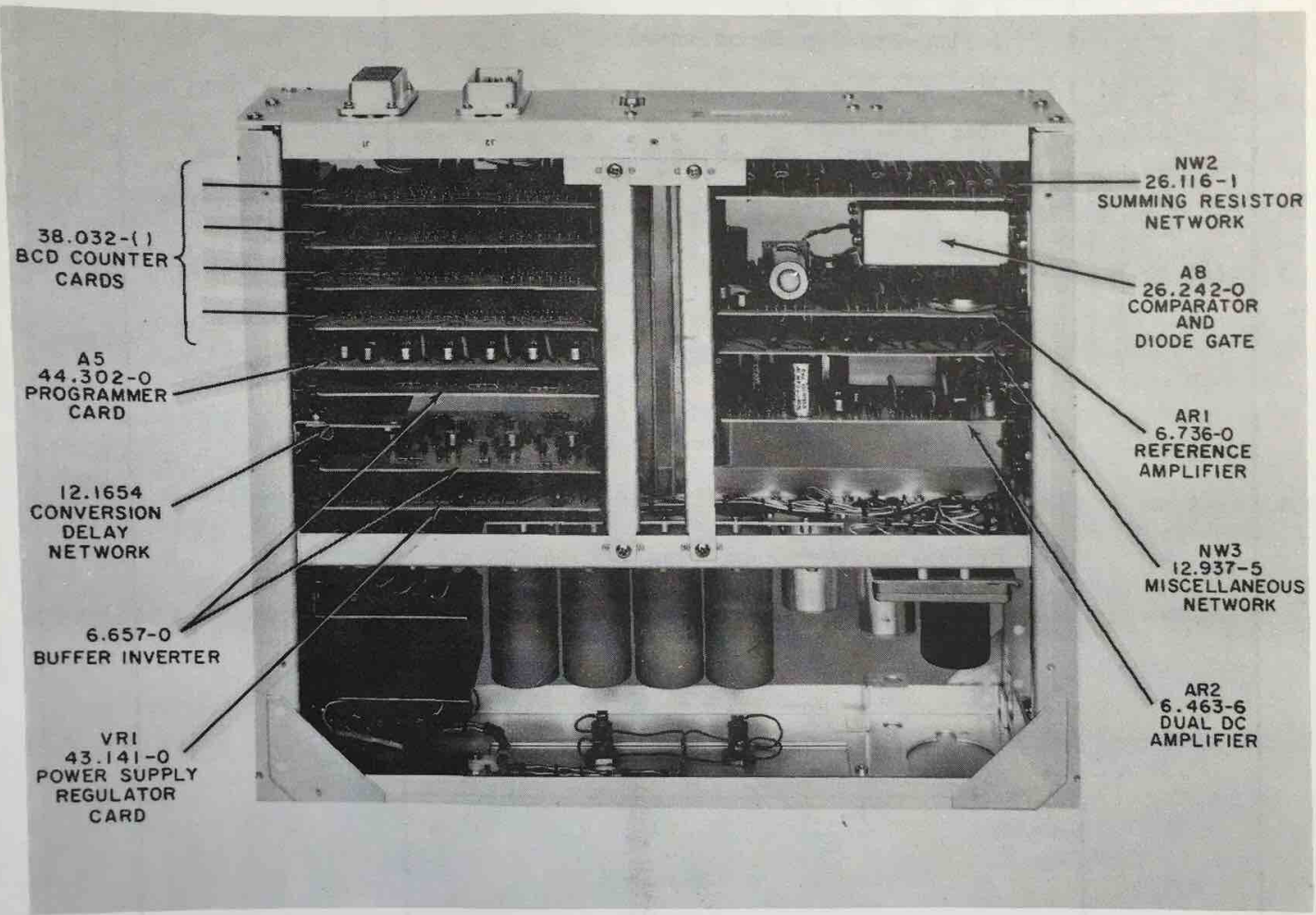


Figure 2.

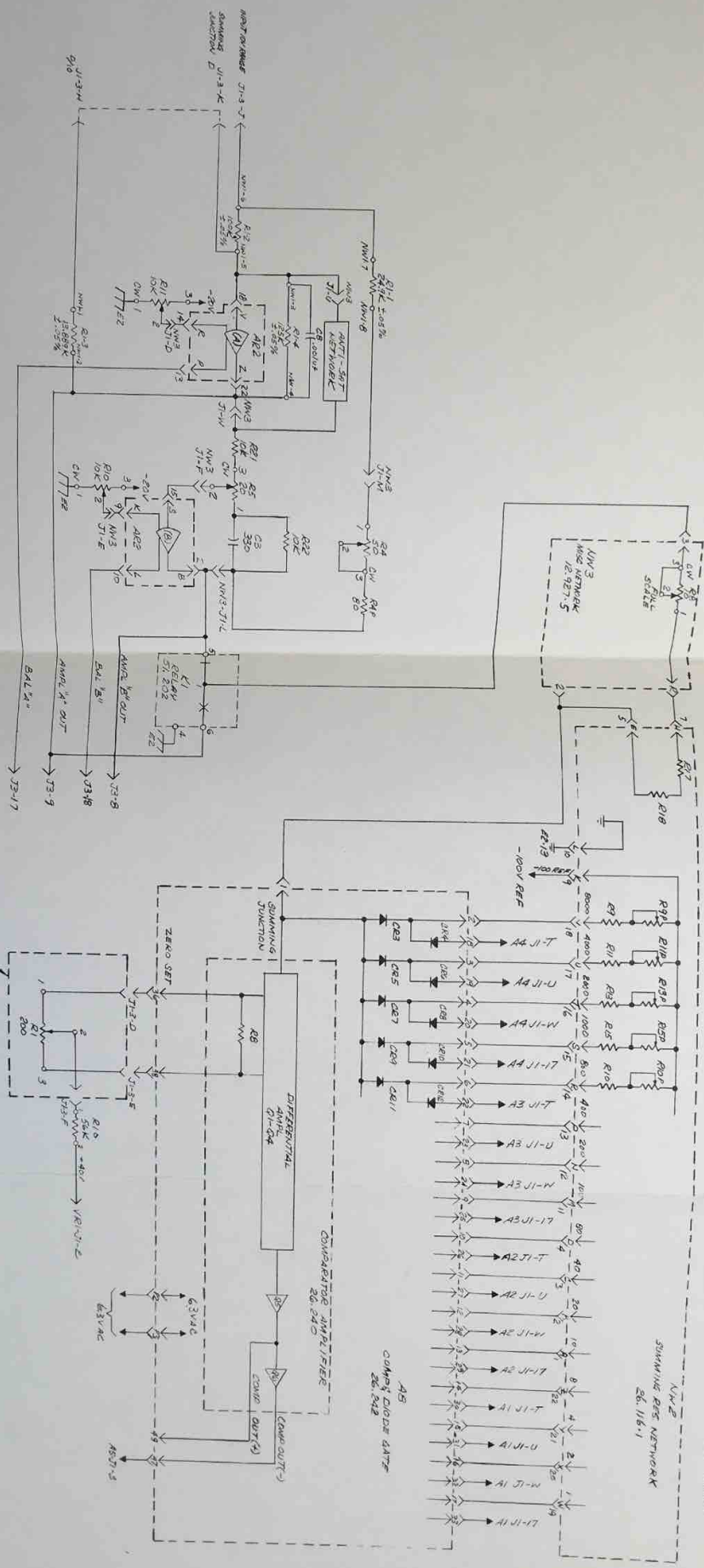
ITEM	REF. DESIG.	DESCRIPTION	EAI NO.	*CAT.
1	R1-1 to 9	Resistor, Fixed, Composition: 10K, <u>+5%</u> , 1/2W (Allen-Bradley EB or equal)	00 626.0103-0	A
2	R2-1 to 9	Resistor, Fixed, Composition: 1.8K, <u>+5%</u> , 1/2W (Allen-Bradley EB or equal)	00 626.0182-0	A
3	R3-1 to 9	Resistor, Fixed, Composition: 68K, <u>+5%</u> , 1/2W (Allen-Bradley EB or equal)	00 626.0683-0	A
4	CR1-1 to 9	Diode	00 614.0043-0	B
5	Q1-1 to 9	Transistor: 2N1308	00 686.0101-0	A
NOTE				
For 0.6.657-1 version, delete item 1 and add item 6.				
6	R1-1 to 9	Resistor, Fixed, Composition: 1.8K, <u>+5%</u> , 1/2W (Allen-Bradley EB or equal)	00 626.0182-0	A

*NOTE: THE CATEGORY COLUMN IS DESIGNED TO INDICATE AVAILABILITY OF PARTS.
A - INDICATES PARTS THAT SHOULD BE PURCHASED LOCALLY.
B - INDICATES PARTS THAT SHOULD BE PURCHASED FROM EAI.

UNIT TITLE
BUFFER INVERTER

MODEL NO.
0.6.657-0, -1 Sh. 1 of 1 Sh.

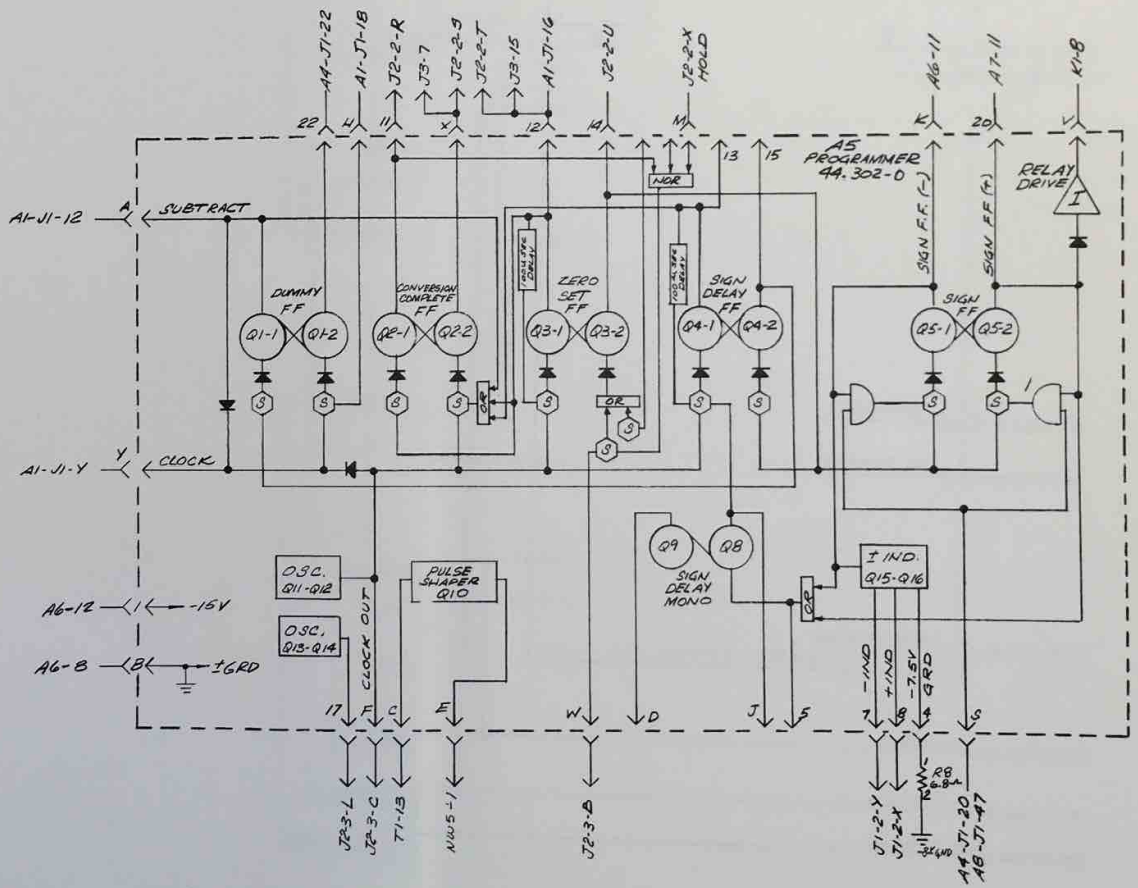
DATE 9 / 4 '68



NOTES:
 1. ALL RESISTORS SPECIFIED IN THIS SCHEMATIC
 ARE TO BE USED TO THE MAXIMUM TOLERANCE
 SPECIFIED IN THE PART NUMBER UNLESS OTHERWISE
 SPECIFIED.

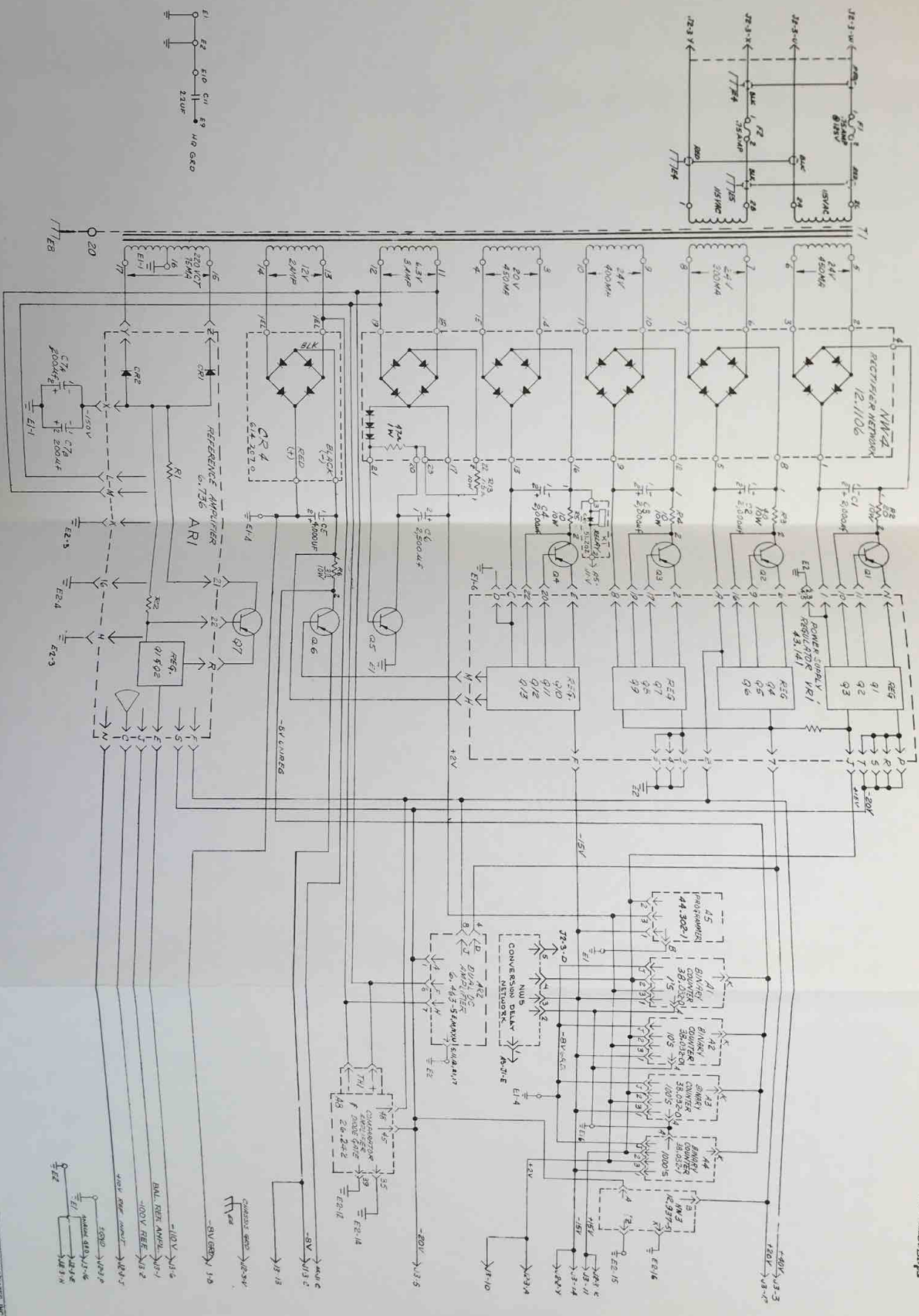
REVISIONS:
 1. ORIGINAL DESIGN
 2. REVISED TO ADD
 3. REVISED TO ADD
 4. REVISED TO ADD
 5. REVISED TO ADD

ELECTRONIC ASSOCIATES, INC.
 1200 MARKET STREET
 PHOENIX, ARIZONA 85015
 PHONE: 602-254-1111
 FAX: 602-254-1112



UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 CAPACITANCE IS IN MICROFARADS
 RESISTANCE IS IN OHMS
 TOLERANCE: OP. ± 0.05 FE ± 0.02
 AXES ± 0.10 DIA ± 0.005 L ± 0.10
 *TOL. OF MATERIAL SUPPLIED

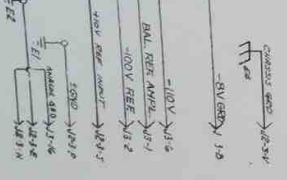
ELECTRONIC ASSOCIATES, INC. LONG BRANCH, NEW JERSEY	
SHT. NO.	
SIZE	
REV. NO.	
PROJECT	19159
	C 026 268 05
SHEET 2 OF 2 SHEETS	



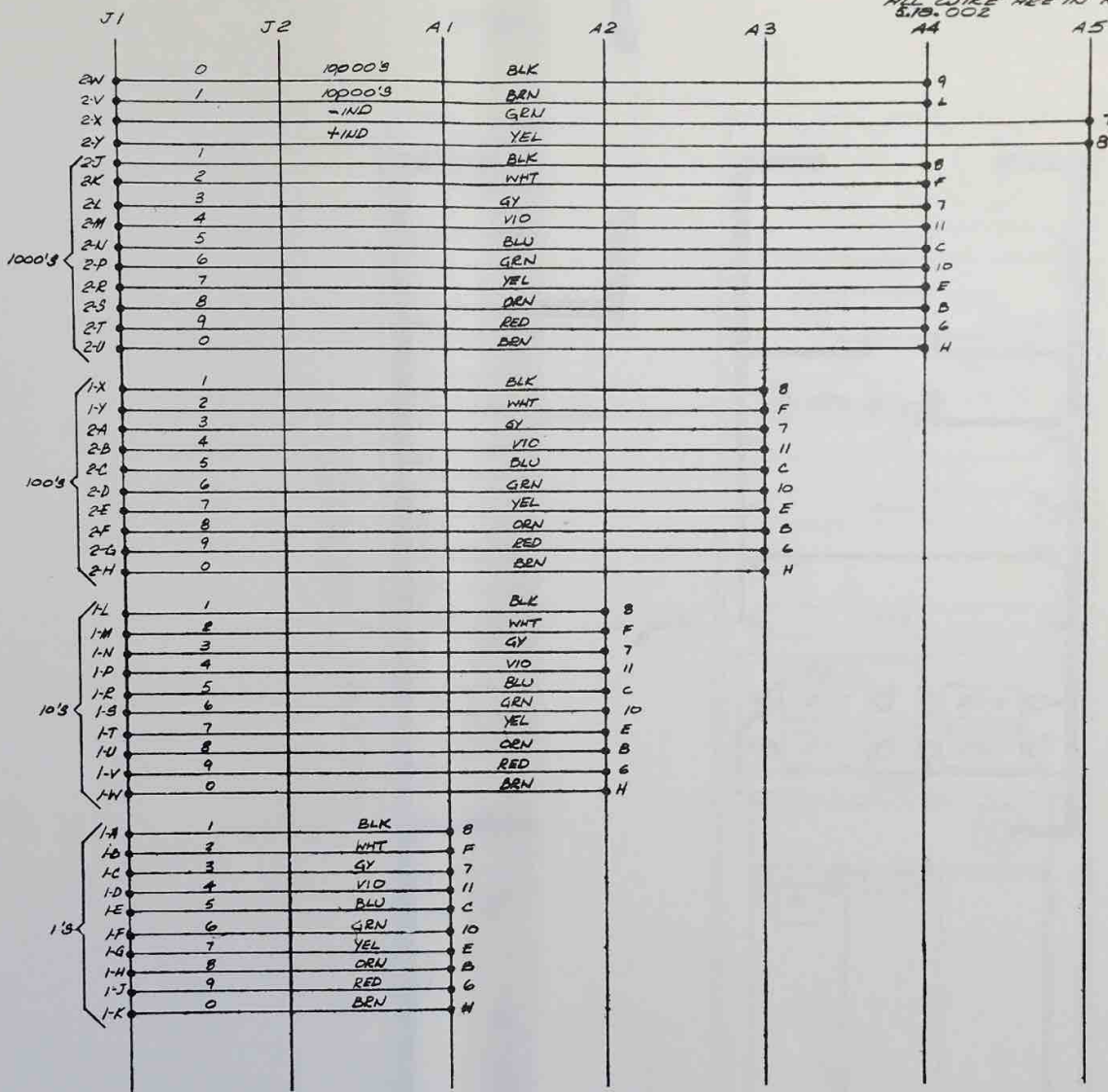
NOTES:
 1. QUIET OPERATING REQUIRED.
 2. ALL WIRING TO BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
 3. SWITCH ON SWITCHING EQUIPMENT FOR RECORDING.

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DATE	10/15/53
REV. NO.	02-10A
REV. DATE	10/15/53
BY	W. J. BERRY
CHECKED BY	W. J. BERRY



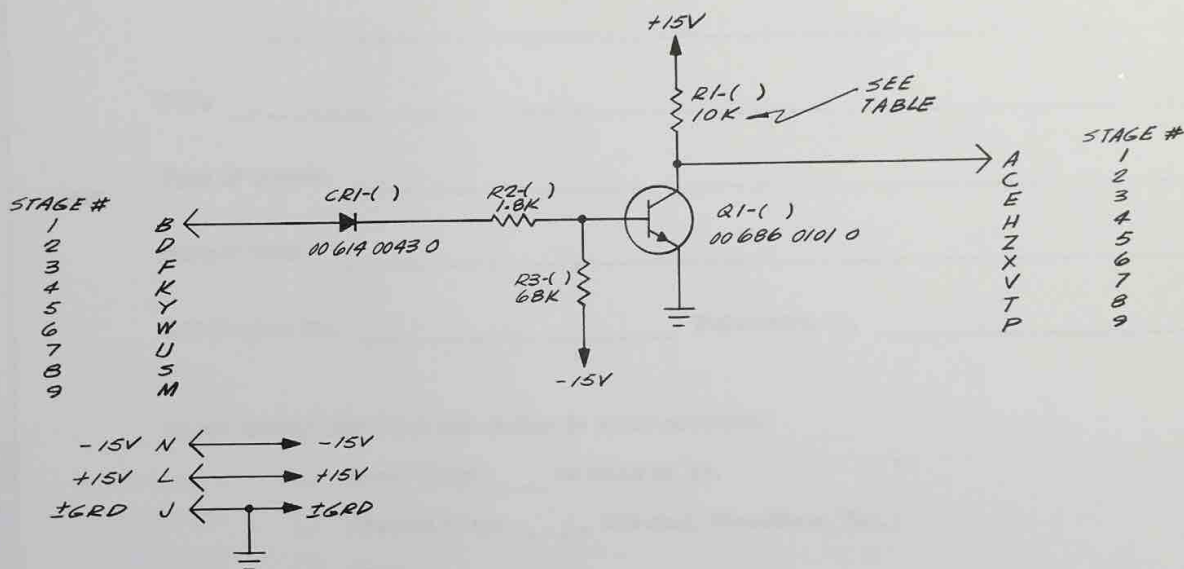
NOTE: UNLESS OTHERWISE SPECIFIED ALL WIRE ARE IN HARNESS No. 510.002



ELECTRONIC ASSOCIATES, INC.
LONG BRANCH, NEW JERSEY

SHT. NO.	
SIZE	
REV. NO.	
PROJECT	19187 C 026 200 04
SHEET	OF SHEETS

NOTES:
 1. UNLESS OTHERWISE SPECIFIED:
 a. RESISTORS ARE $\pm 10\%$ $\frac{1}{2}$ W
 b. FOR COMPLETE COMPONENT REF. DESIGNATION, ADD STAGE NUMBER IN PARENTHESIS; [ie: R1-(2)]



0.6.0657-1	00 006 0657 15	00 006 0657 1P	AS SHOWN, EXCEPT R1-() CHANGES TO 1.8K	00 026 0260 1P	1908A
0.6.0657	0A00 006 0657 05	000 006 0657 1P	AS SHOWN	000 026 025A 0P	1908A
UNIT NUMBER	SCHEMATIC NUMBER	PARTS LIST & NEXT ASSY.	DESCRIPTION	PARTS LIST USED ON:	PROJECT NUMBER
TABLE OF UNIT NUMBERS					

UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
CAPACITANCE IS IN pF	
RESISTANCE IS IN OHMS	
TOLERANCE OF:	X = $\pm .03$ XX = $\pm .02$
XXX = $\pm .015$ XXXX = $\pm .005$	L = $\pm 1^\circ$
*TOL. OF MATERIAL SUPPLIED	
EAI	
ELECTRONIC ASSOCIATES, INC. West Long Branch, N.J.	
SCHEMATIC BUFFER INVERTER	
SHT. NO.	
SIZE	
REV. NO.	
PROJECT	1908A B00 006 0657 05
SHEET / OF / SHEETS	