

Project Support Engineering

Bazooka

INSTRUCTIONS

BAZOOKA PREPARATION INSTRUCTIONS

1. Unpack game and inspect for damage, report or file claim immediately.
2. Upon uncrating Bazooka game, remove rear door from cabinet.
3. Remove $\frac{1}{4}$ x 3" bolt from inside of cabinet, running through Bazooka pipe, parallel to front of cabinet.
4. Turn Bazooka $\frac{1}{4}$ turn counter-clockwise.
5. CAUTION: Do not turn Bazooka any further than $\frac{1}{4}$ turn counter-clockwise or the shot will be misaligned.
6. Replace bolt through pipe and tighten lock nut.

AFTER INSERTING THE BOLT AS ABOVE, THE BAZOOKA SHOULD BE TESTED TO DETERMINE IF IT IS IN ADJUSTMENT, i.e. THE SHOT IS IN LINE WITH THE BAZOOKA POSITION.

1. Slide switch marked shot alignment on drawing.
2. On some early models the switch was not provided, in this case connect a 1K resistor from B-4 pin 9 to positive side of capacitor, 100 MF at 16 VDC just to left of control harness connector (C3) on mother board.
3. This will display shot location.
4. Turn pot marked shot travel center all the way clockwise.
5. Turn pot marked shot travel width all the way clockwise and back up $\frac{1}{4}$ turn.
6. Turn Bazooka all the way left.
7. Loosen pot body installed under the Bazooka and turn it until shot appears as far left as it will go. Tighten body in place.
8. Center the Bazooka and turn pot marked shot travel width until shot is lined up with Bazooka.
9. Shot should now travel with Bazooka across the screen.
10. Slide switch back to original position.
11. Timing pot is set for 90 seconds, turn pot clockwise when standing in rear to increase time, or counter-clockwise to decrease time.



PROJECT SUPPORT ENGINEERING
750 N. Mary Ave., Sunnyvale, CA 94086

TERMS AND CONDITIONS OF WARRANTY

1. PURCHASER'S INSPECTION AND ACCEPTANCE OF GOODS

Purchaser shall properly inspect and test the goods sold hereunder immediately upon their arrival and shall within ten days after their arrival give written notice to Project Support Engineering (PSE) of any claim that the goods are damaged or defective. If Purchaser fails to inspect and test the goods as called for above, Purchaser will be held to have accepted the goods with all faults that inspection and testing would have revealed, to have waived all rights Purchaser may have had to revoke acceptance after said ten day period, and to have waived all claims for breach of warranty arising out of or occasioned by any such faults.

2. LIMITED WARRANTY

PSE warrants the printed circuit board contained in the Video Game to be free from defects in workmanship and materials for a period of one year from the date of shipment provided warranty registration procedures are complied with. EXCEPT AS PROVIDED IN THE PREVIOUS SENTENCE, PSE MAKES NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND NO OTHER WARRANTIES EXPRESS OR IMPLIED, ARE MADE HEREIN UNLESS SPECIFICALLY PROVIDED FOR BY WRITTEN ATTACHMENT HERETO. The printed circuit boards warranted herein shall not be returned to PSE without prior approval of PSE. Defective printed circuit boards should be shipped after approval of PSE to PSE's Home Office for repair or replacement. Purchaser shall be responsible for all cost of shipment and risk of loss or damage during shipment.

3. EXCLUSIVE REMEDIES AND LIMITATION OF LIABILITY

With respect to claims based on alleged damaged or defective goods or alleged negligence of PSE, BUYERS EXCLUSIVE REMEDY SHALL BE FOR DAMAGES. THE LIABILITY OF PSE FOR ANY LOSS OR DAMAGE CAUSED BY DAMAGED OR DEFECTIVE GOODS, IRRESPECTIVE OF WHETHER SUCH DEFECTS ARE DISCOVERABLE OR LATENT, OR FOR THE NEGLIGENCE OF PSE, SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE PARTICULAR GOODS CAUSING LOSS OR DAMAGE, OR, AT THE ELECTION OF PSE, THE REPAIR OR REPLACEMENT OF EQUIPMENT OR PARTS COVERED BY THE WARRANTY, such repair or replacement to occur at the location selected by PSE IN NO EVENT SHALL PSE BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY DAMAGED OR DEFECTIVE GOODS OR THE NEGLIGENCE OF PSE.

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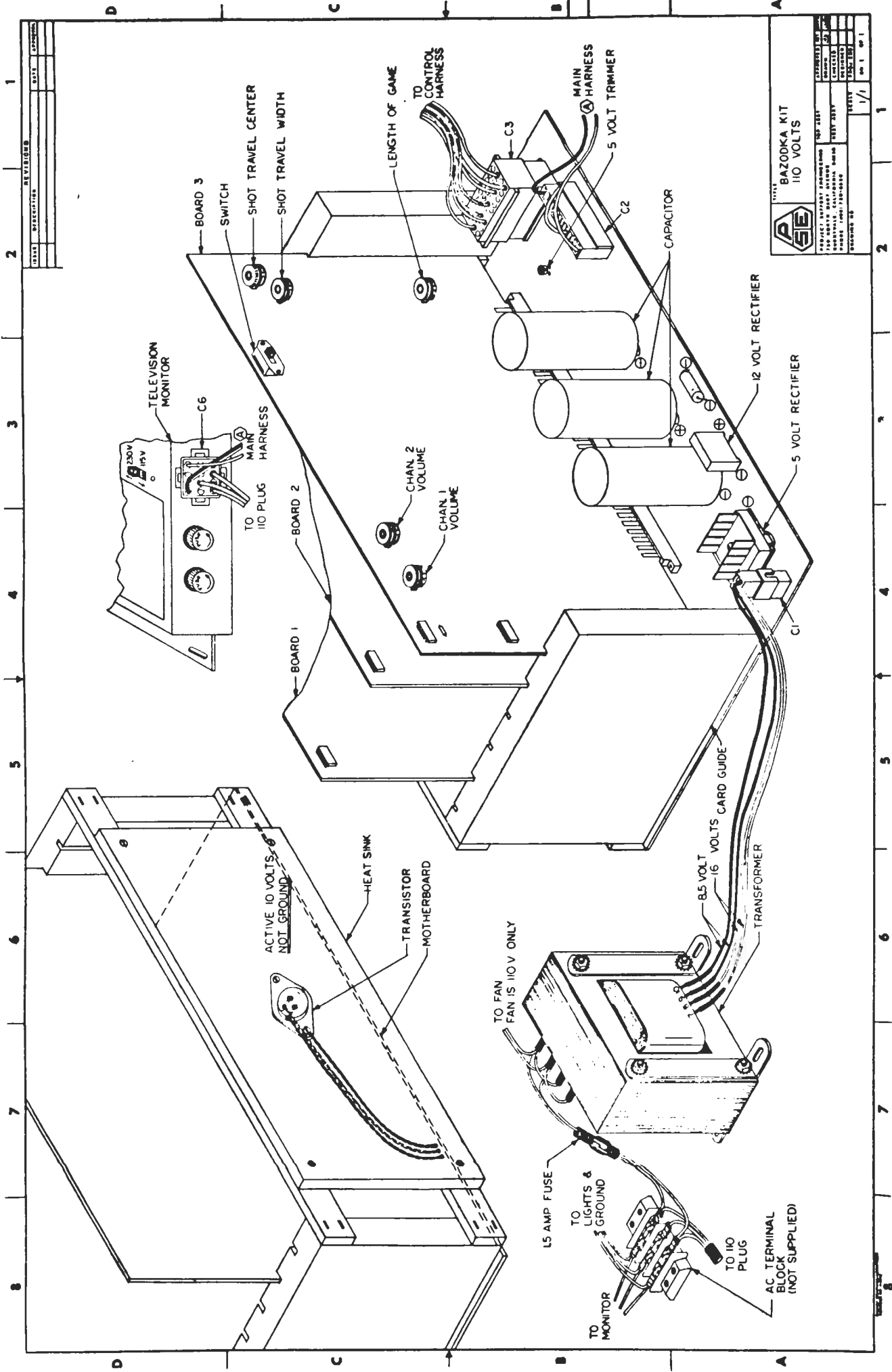
Bradley J. Grigsby
SERVICE SUPERVISOR

(408) 739-8550

PROJECT SUPPORT ENGINEERING

750 N. MARY, SUNNYVALE, CALIF. 94086

Toll Free 800-538-1798



REV.	DESCRIPTION	DATE	BY

**BAZOOKA KIT
110 VOLTS**

GE

REVISIONS

REVISIONS	DATE	BY

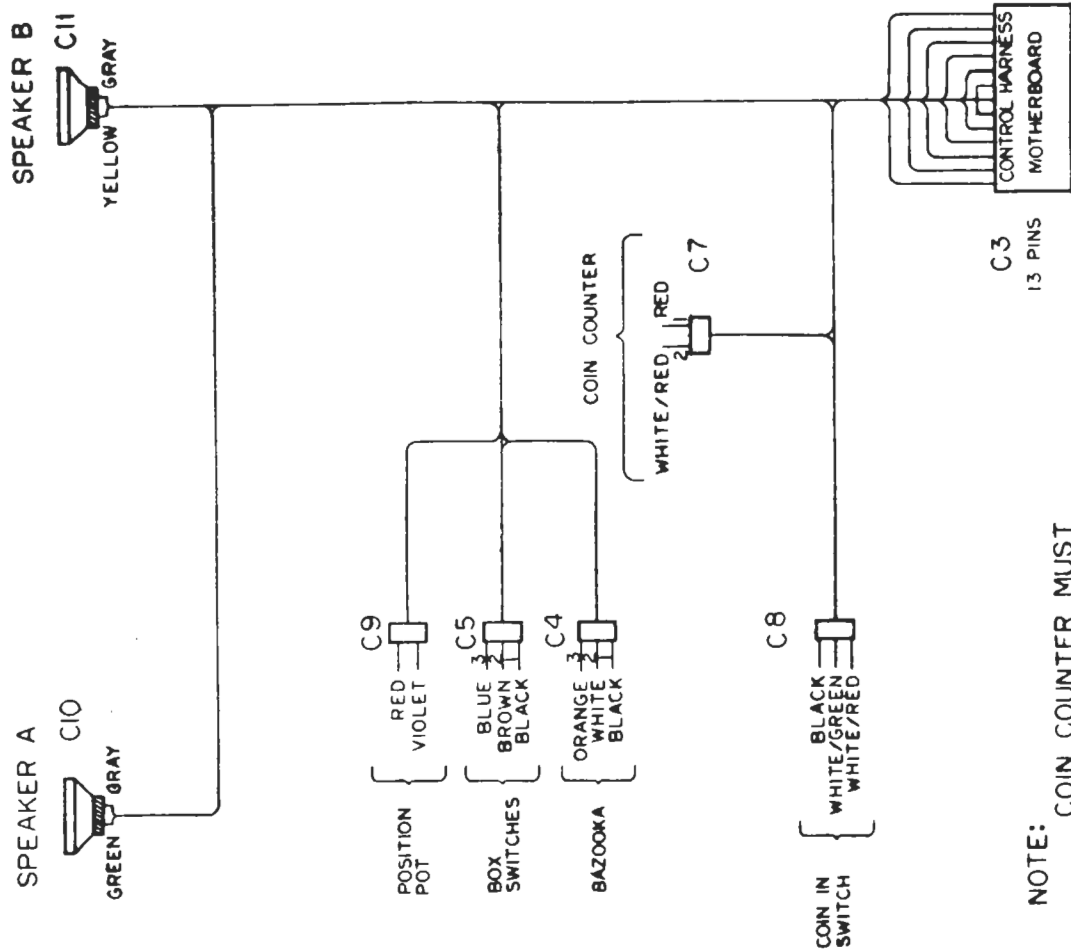
PROJECT: BAZOOKA KIT 110 VOLTS

DATE: 1/1/68

BY: [Signature]

1 OF 1

WIRING LIST		
PIN #	COLOR	LOCATION
17	GREEN	SPEAKER A C3
25	YELLOW	SPEAKER B
5	GRAY	SPEAKER COMMON
6	BLACK (2 EA)	CONTROLS RETURN
1	RED	POT SOURCE
9	ORANGE	FIRE BUTTON
33	BLUE	HIGH SCORE CLEAR
13	VIOLET	POT
20	BROWN	START
12	WHITE	LIGHT
35	WHITE/RED	COIN SWITCH NO
36	WHITE/GREEN	COIN SWITCH NC
NOTE: ALL WIRE #22 GAUGE.		
7	WHITE/SHIELD	VIDEO C2
1	#18 BROWN	GROUND
12	SHIELD	GROUND
1	GREEN	8.5 RMS / 8A C1
5	GREEN	8.5 RMS / 8A
3	WHITE	16 RMS / 1A
6	WHITE	16 RMS / 1A
NOTE: ALL WIRE #18 GAUGE		



NOTE: COIN COUNTER MUST HAVE PROTECTION DIODE.

ISSUE	DESCRIPTION	DATE	APPROVAL

AP SE

TITLE: BAZOOKA WIRING LIST & DIAGRAM

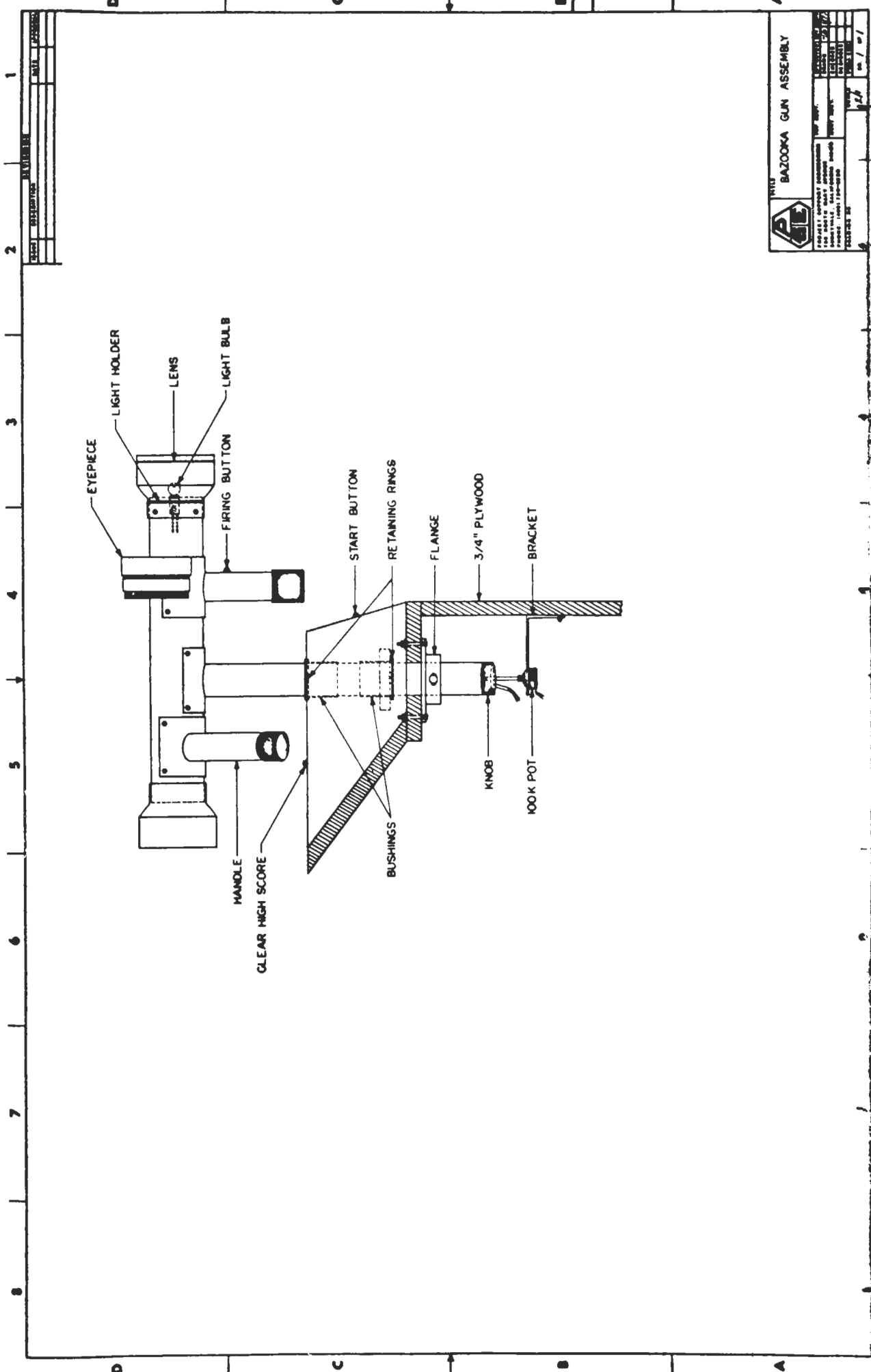
PROJECT SUPPORT ENGINEERING
780 MONTE BERRY AVENUE
SUNNYVALE, CALIFORNIA 94086
PHONE: 408/750-9988

APPROVED (INT. ONLY)
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DESIGNED: []
PROJ. ENCL: []

SCALE: []

DRAWING NO. []

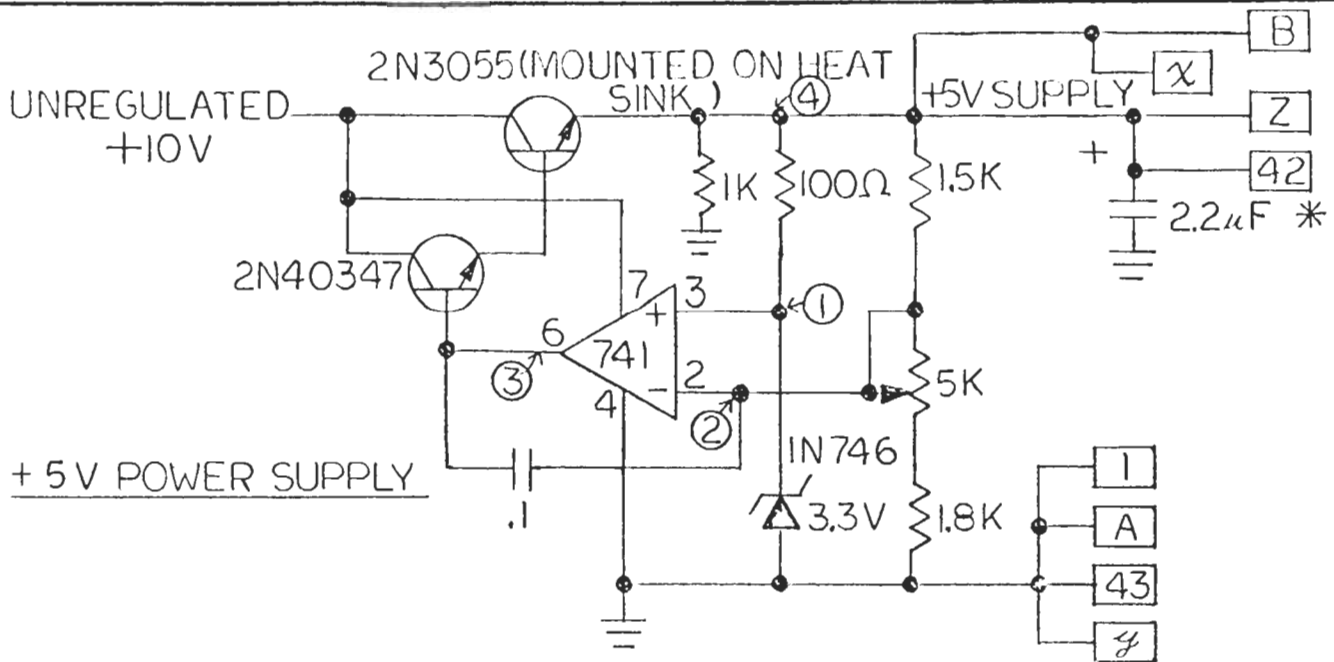
SH. 1 OF 1



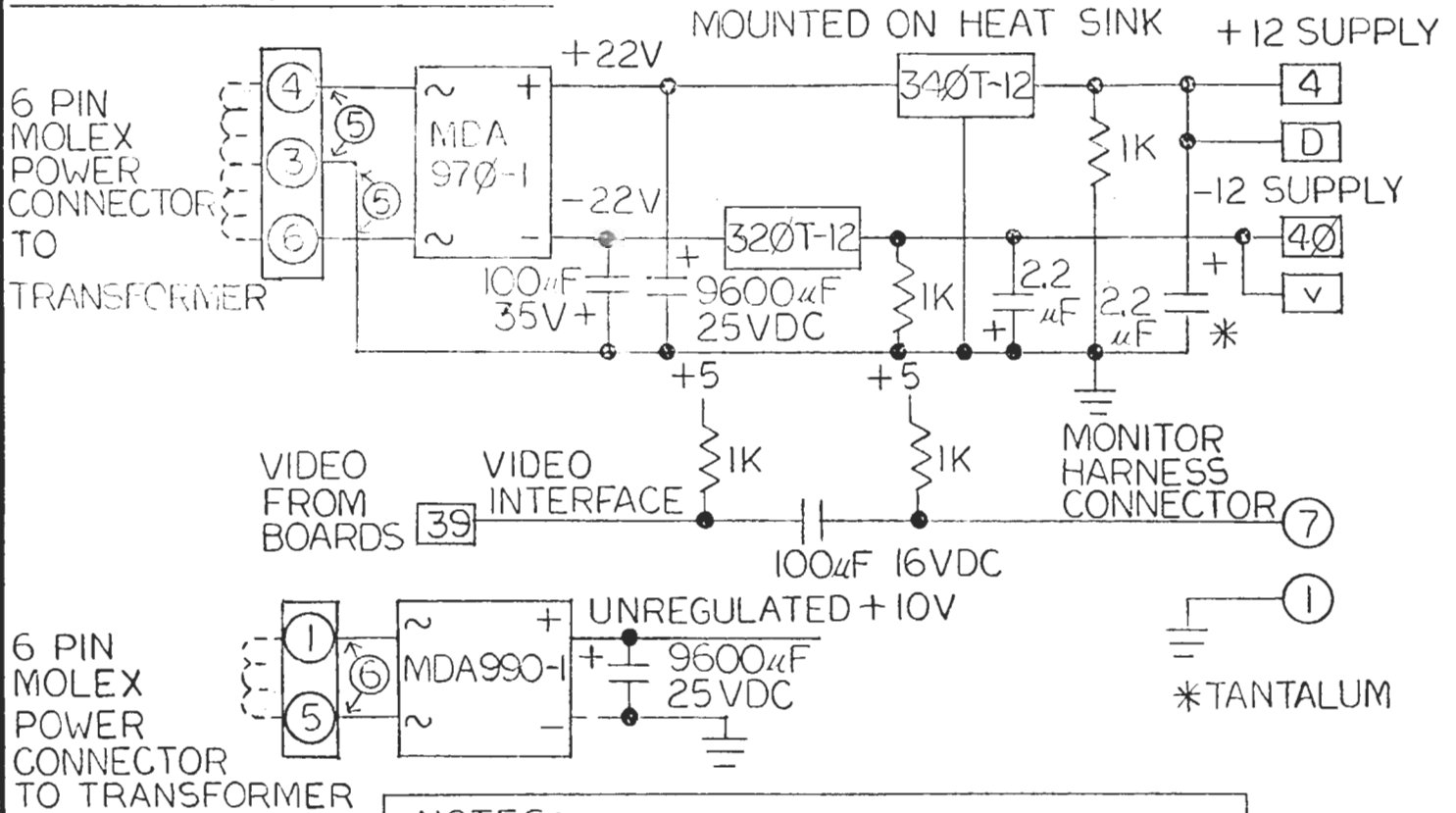
REV	DESCRIPTION	DATE	BY

BAZOOKA GUN ASSEMBLY

PROJECT NO.	
DATE	
DESIGNER	
CHECKED	
APPROVED	
CONTRACT NO.	



+12 AND -12 POWER SUPPLY



NOTES:

- ① +3 TO +3.5V
- ② +3 TO +3.5V
- ③ +6.5 TO +7V
- ④ +4.75 TO +5.25V
- ⑤ 16 VRMS
- ⑥ 8.5 VRMS

*TANTALUM



TITLE
POWER SUPPLY SCHEMATIC

TOP ASSY.

APPROVED

INT.

DATE

DRAWN

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12/77

NEXT ASSY.

CHECKED

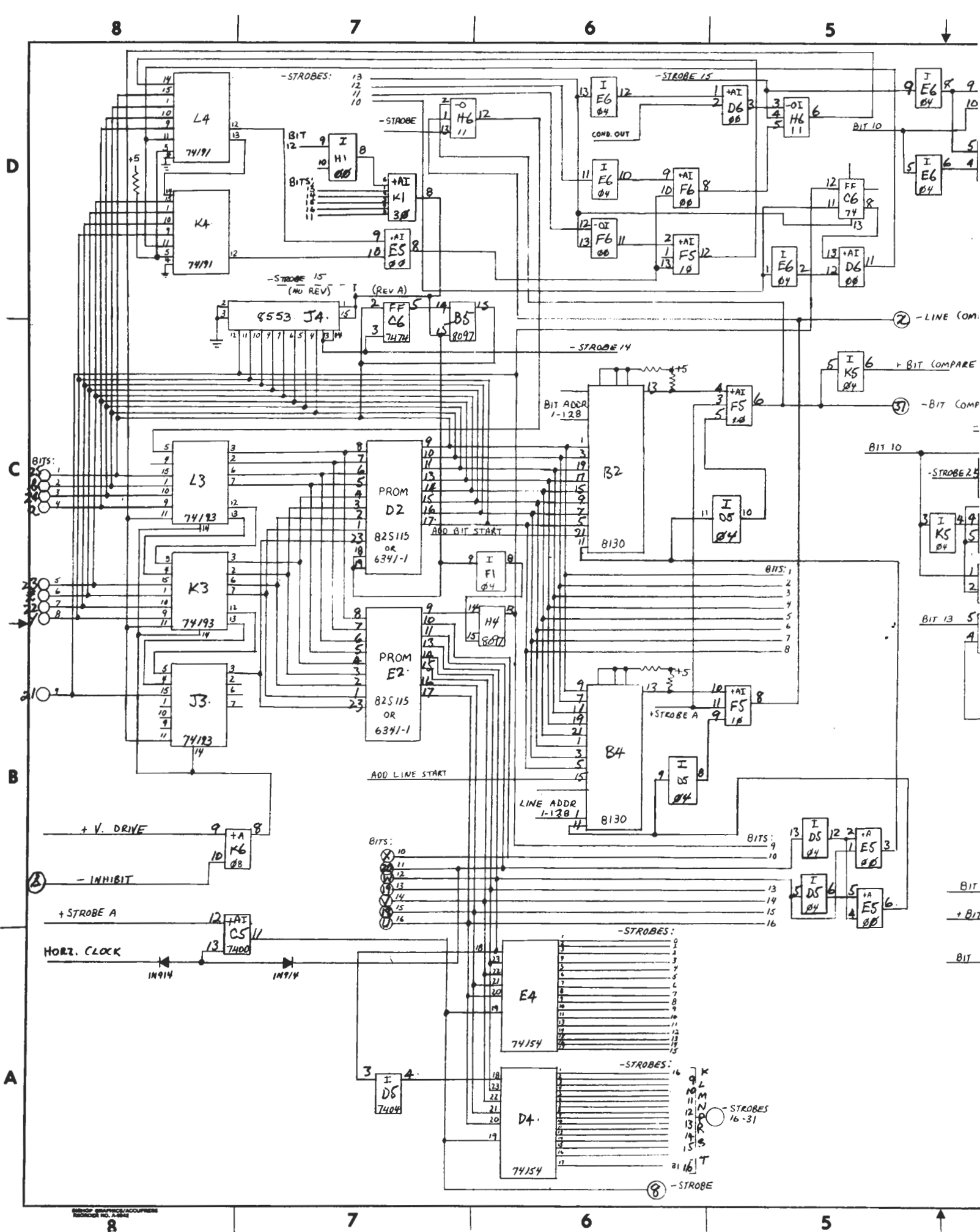
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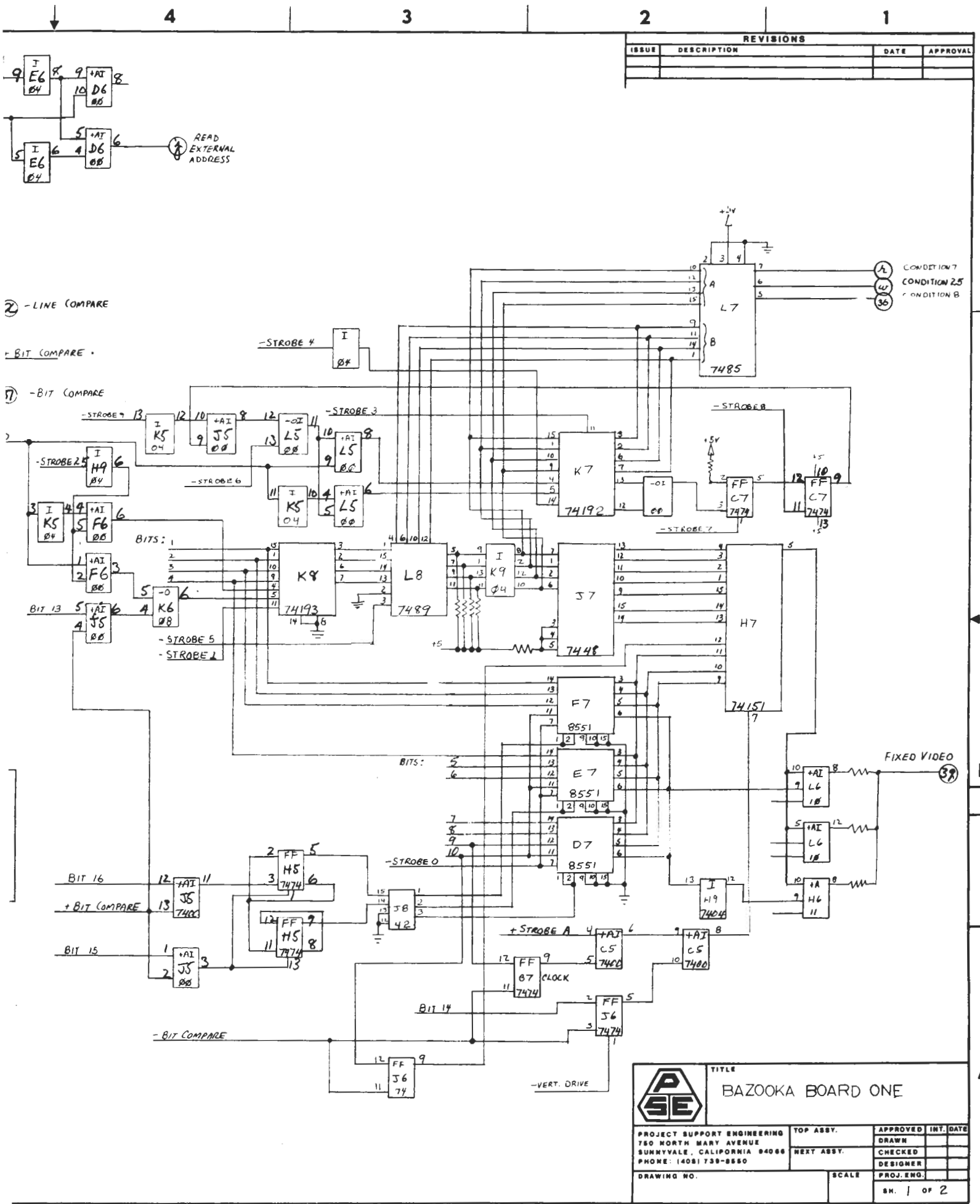
PROJ. ENG.

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PHONE: (408) 739-8550

SH. | OF |
SCALE | REV.

DRAWING NO.





REVISIONS			
ISSUE	DESCRIPTION	DATE	APPROVAL

- (A) CONDITION 7
- (W) CONDITION 25
- (36) CONDITION B

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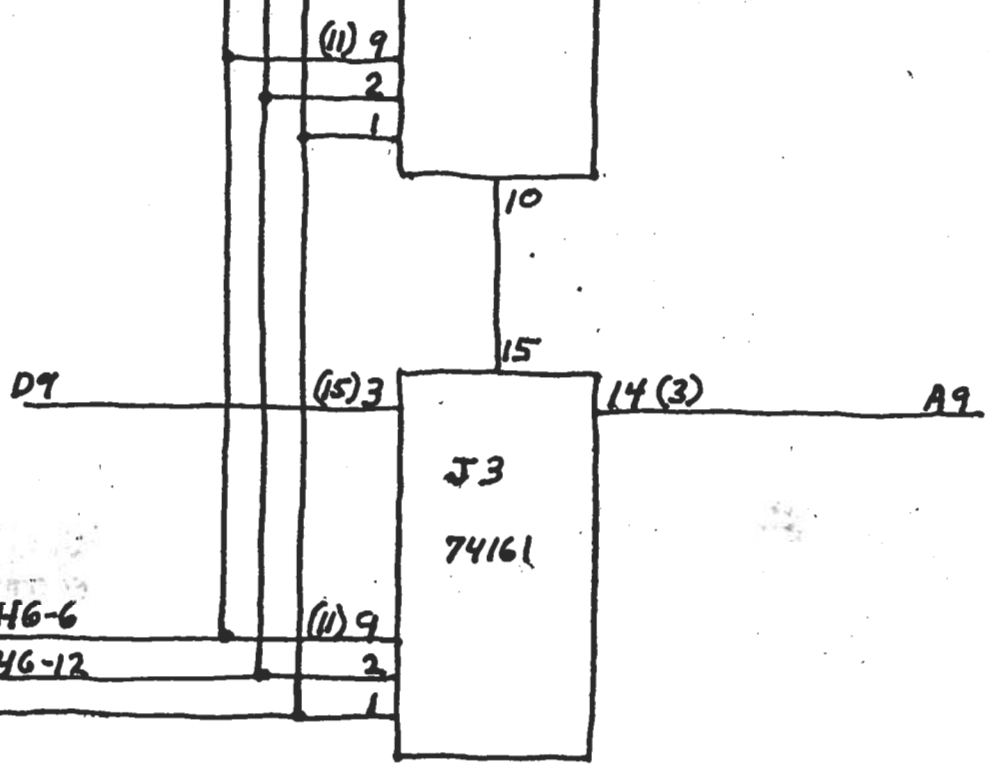
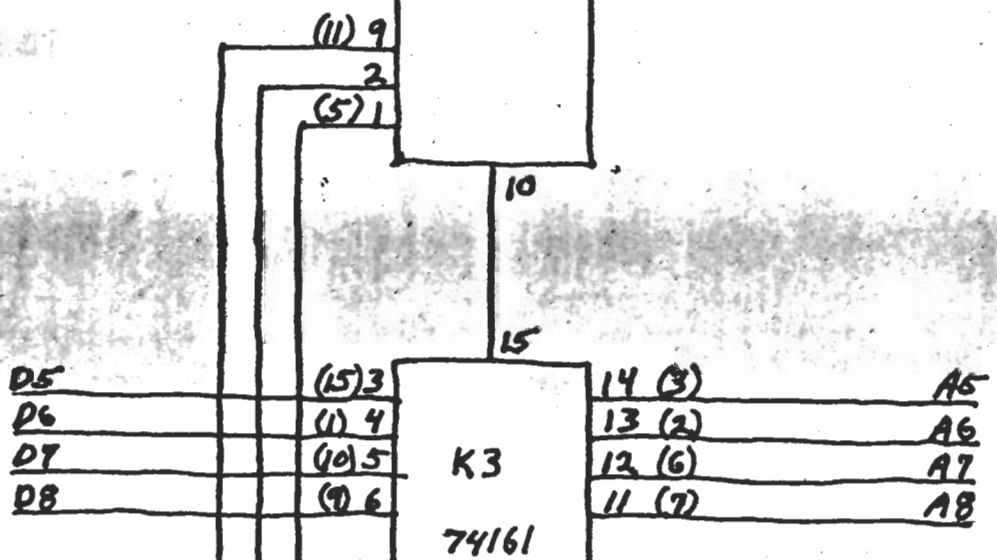
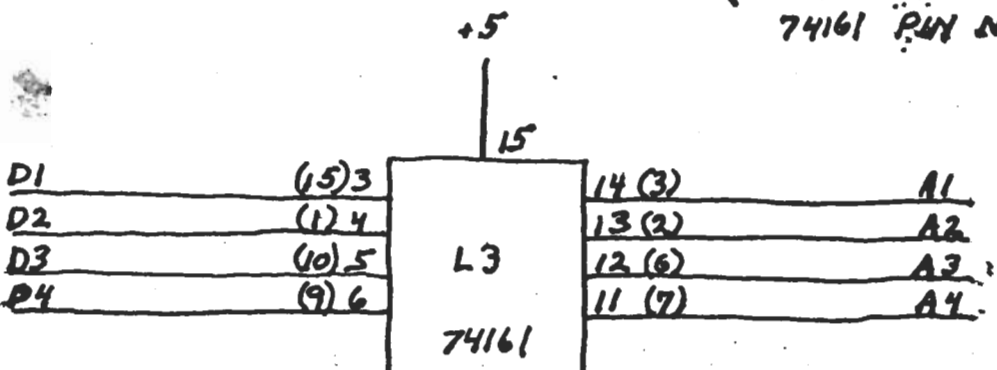
PROJECT SUPPORT ENGINEERING
750 NORTH MARY AVENUE
SUNNYVALE, CALIFORNIA 94088
PHONE: (408) 739-8550

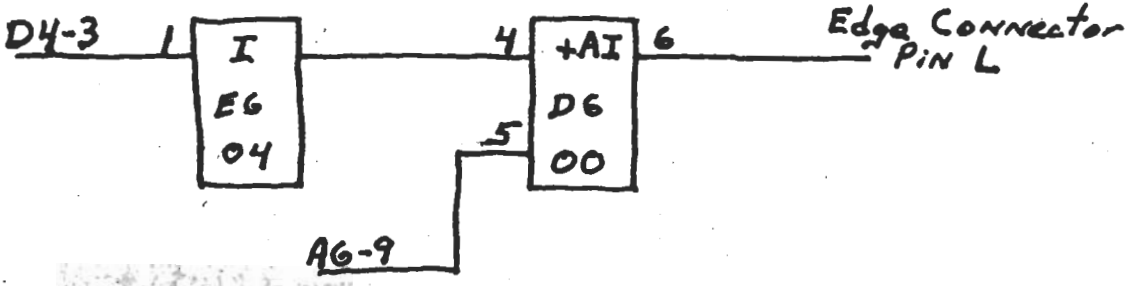
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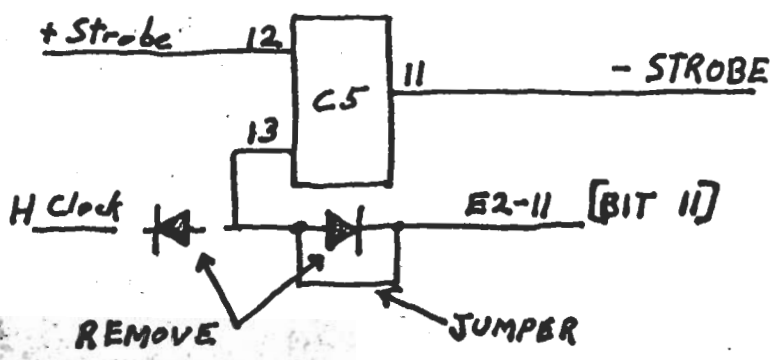
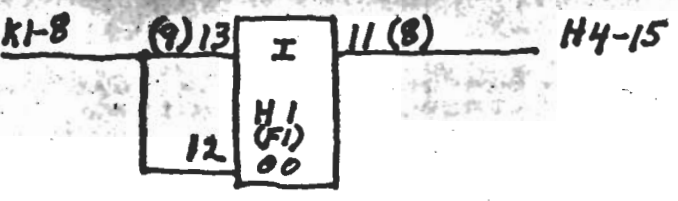
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SH. 1 OF 2





(Old (7404) Pin Numbers)
7400 Pin Numbers



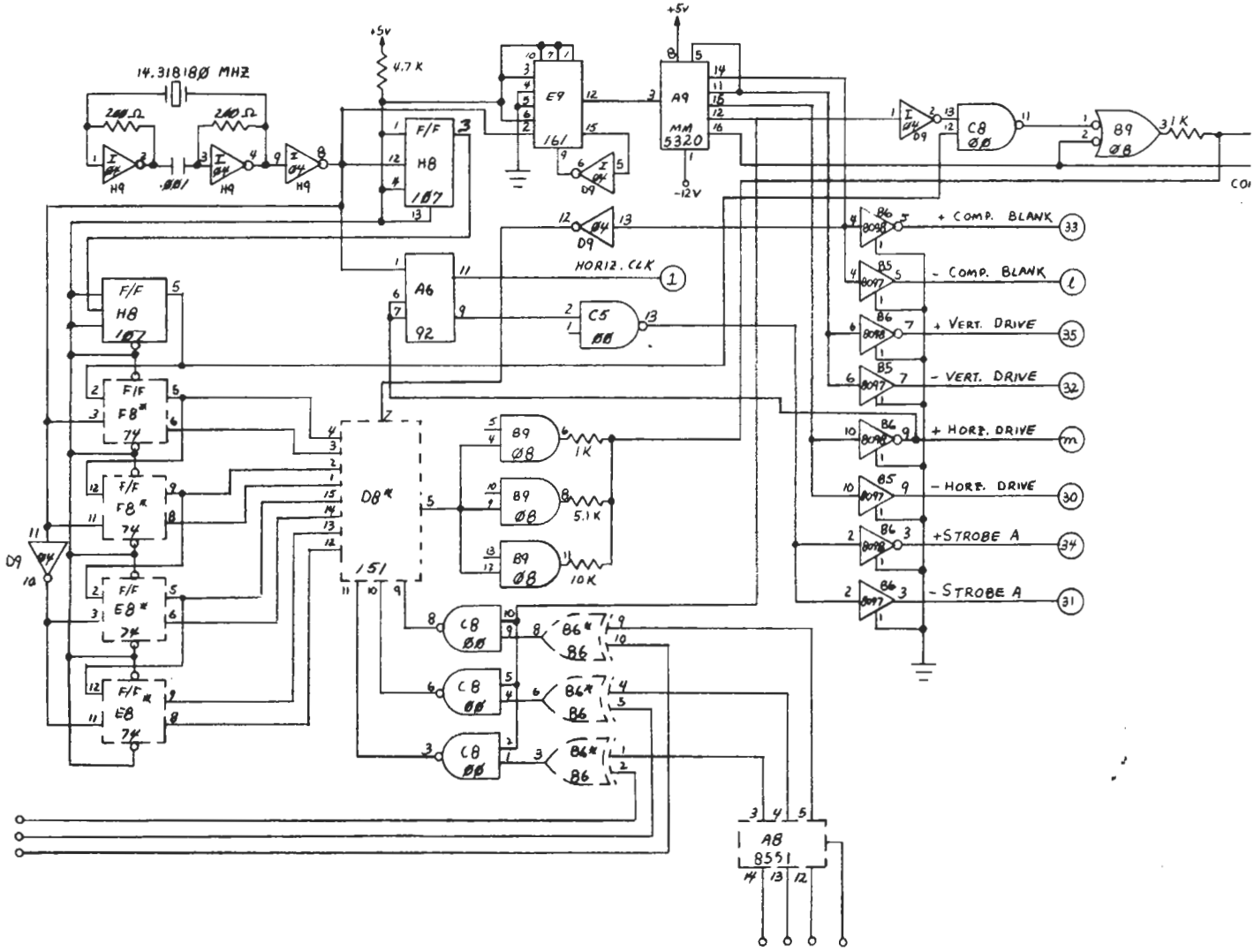
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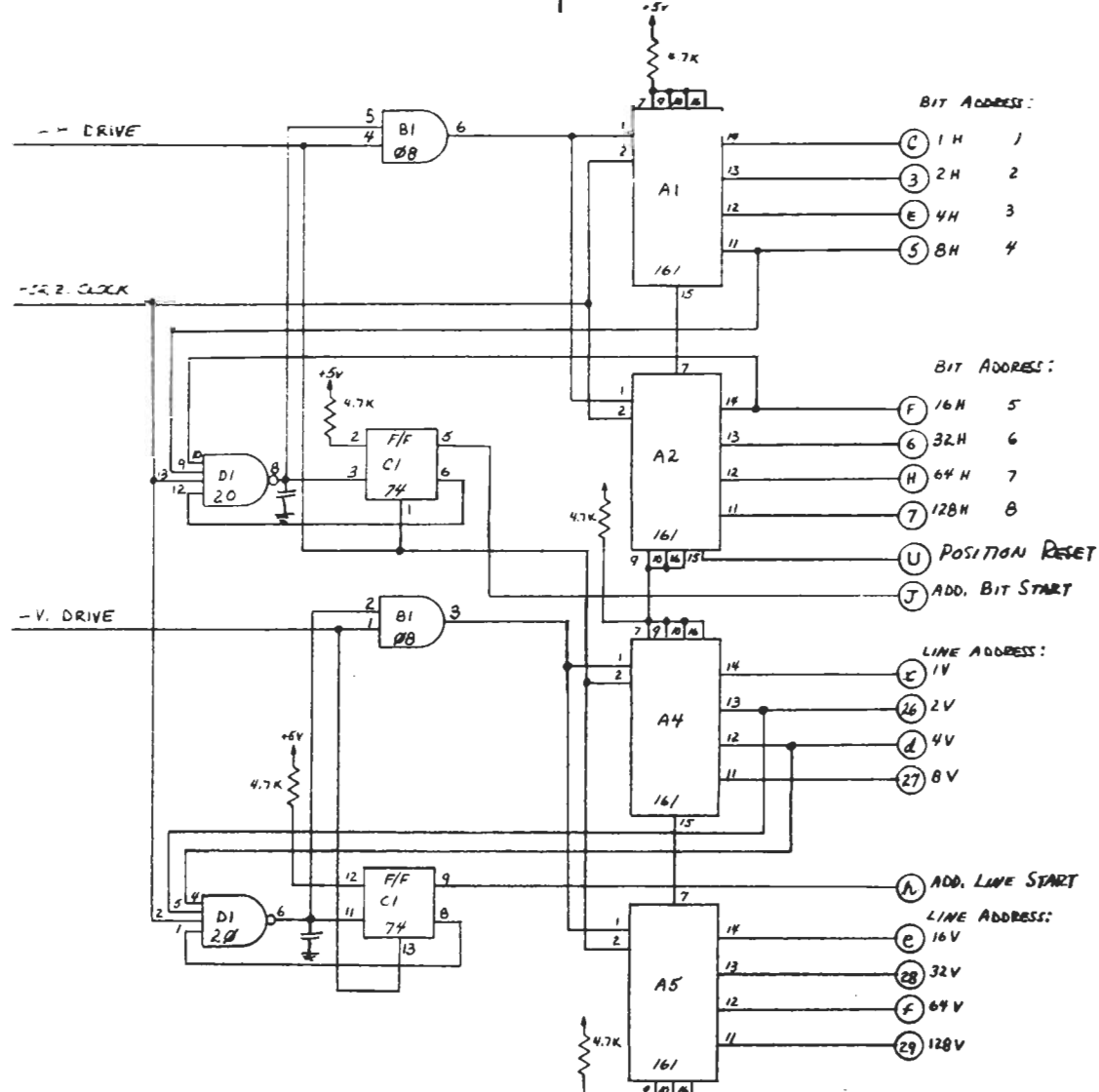
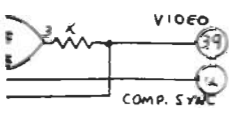
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* NOTE: COMPONENTS WITH DASHED LINES
LOADED ONLY FOR COLOR.

REVISIONS			
ISSUE	DESCRIPTION	DATE	APPROVED



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	PROJECT SUPPORT ENGINEERING 750 NORTH MARY AVENUE SUNNYVALE, CALIFORNIA 94086 PHONE: (408) 739-8680	TOP ASSY. NEXT ASSY.	APPROVED DRAWN CHECKED DESIGNER PROJ. ENG.	INT. DATE DATE DATE DATE DATE
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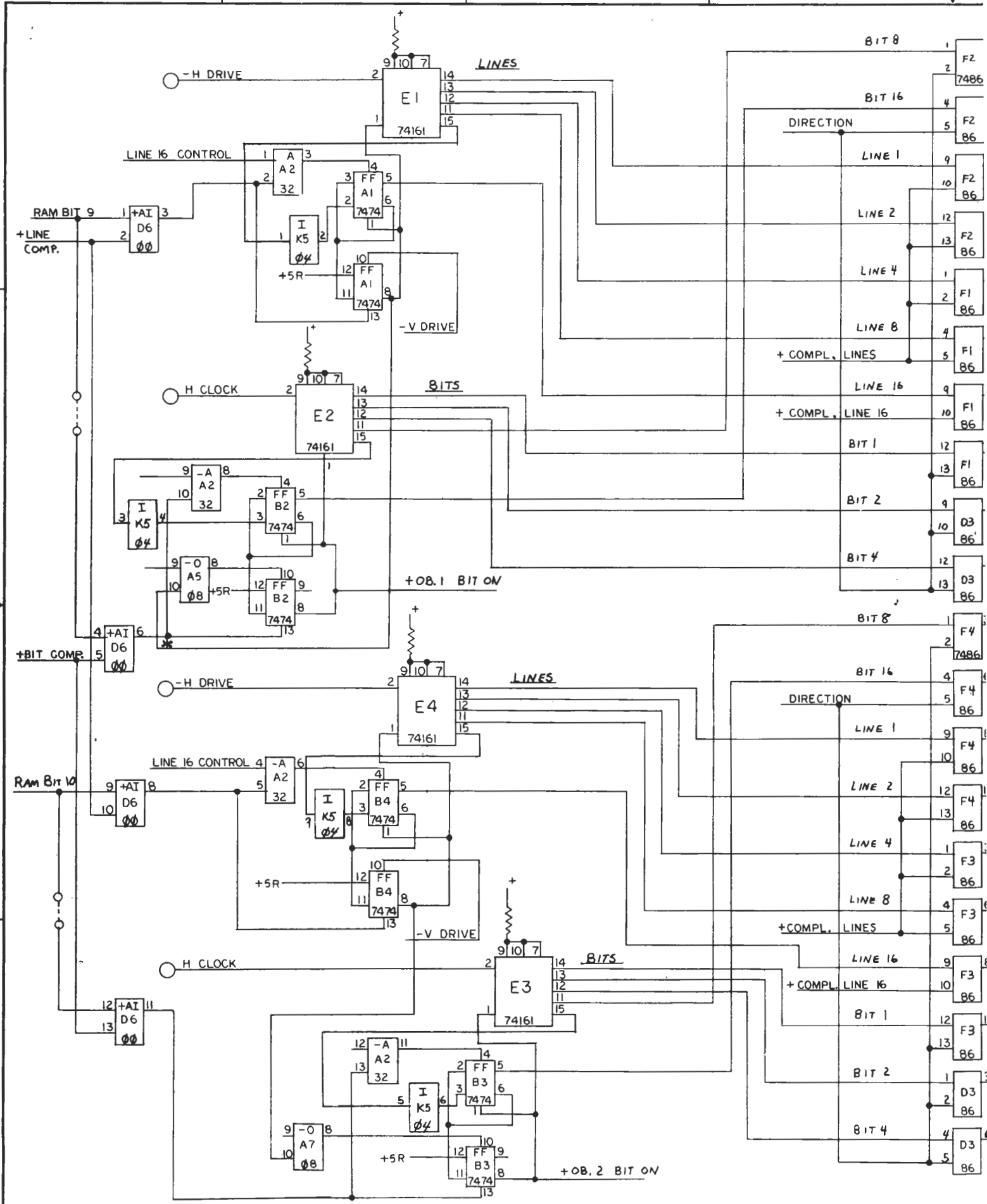
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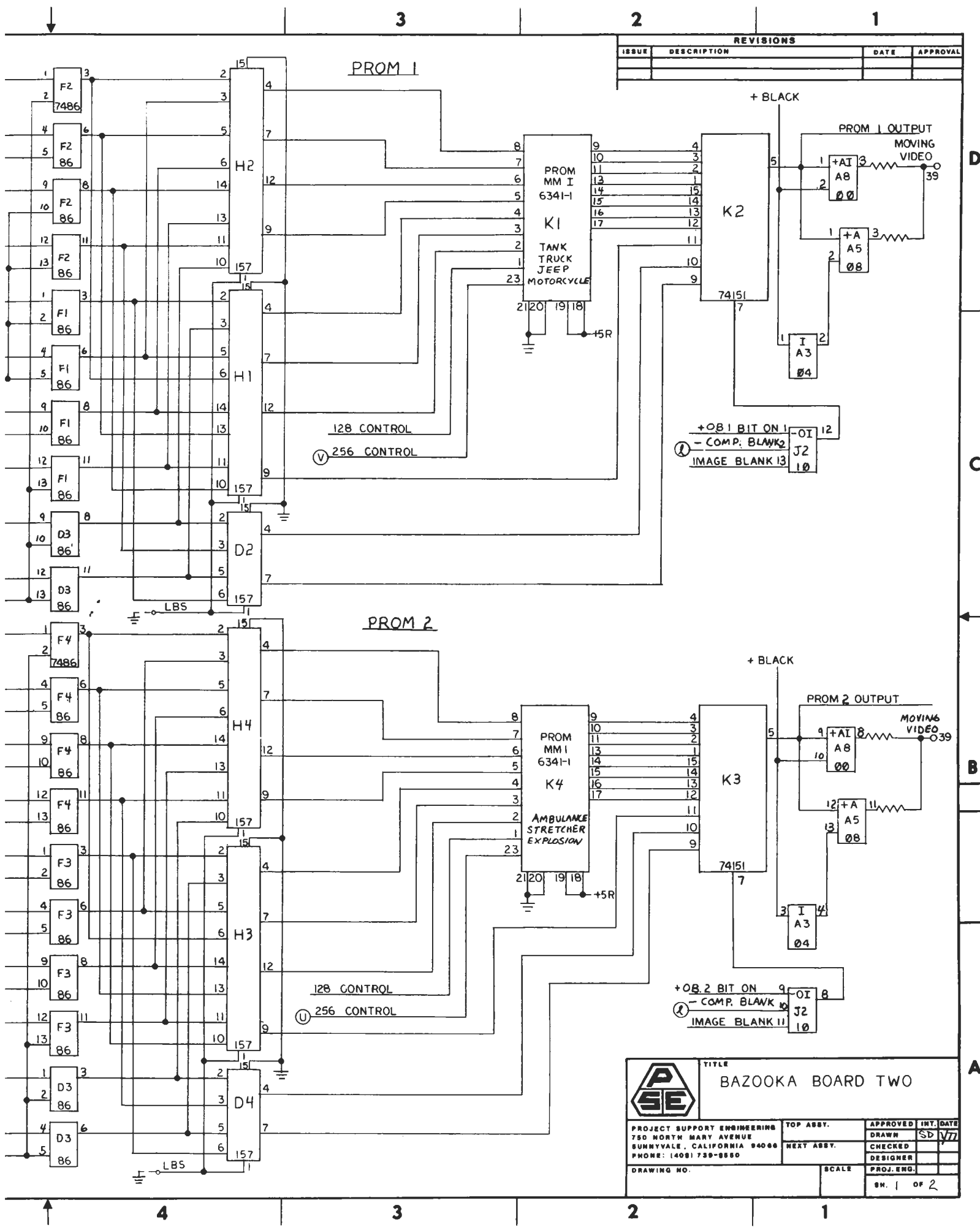


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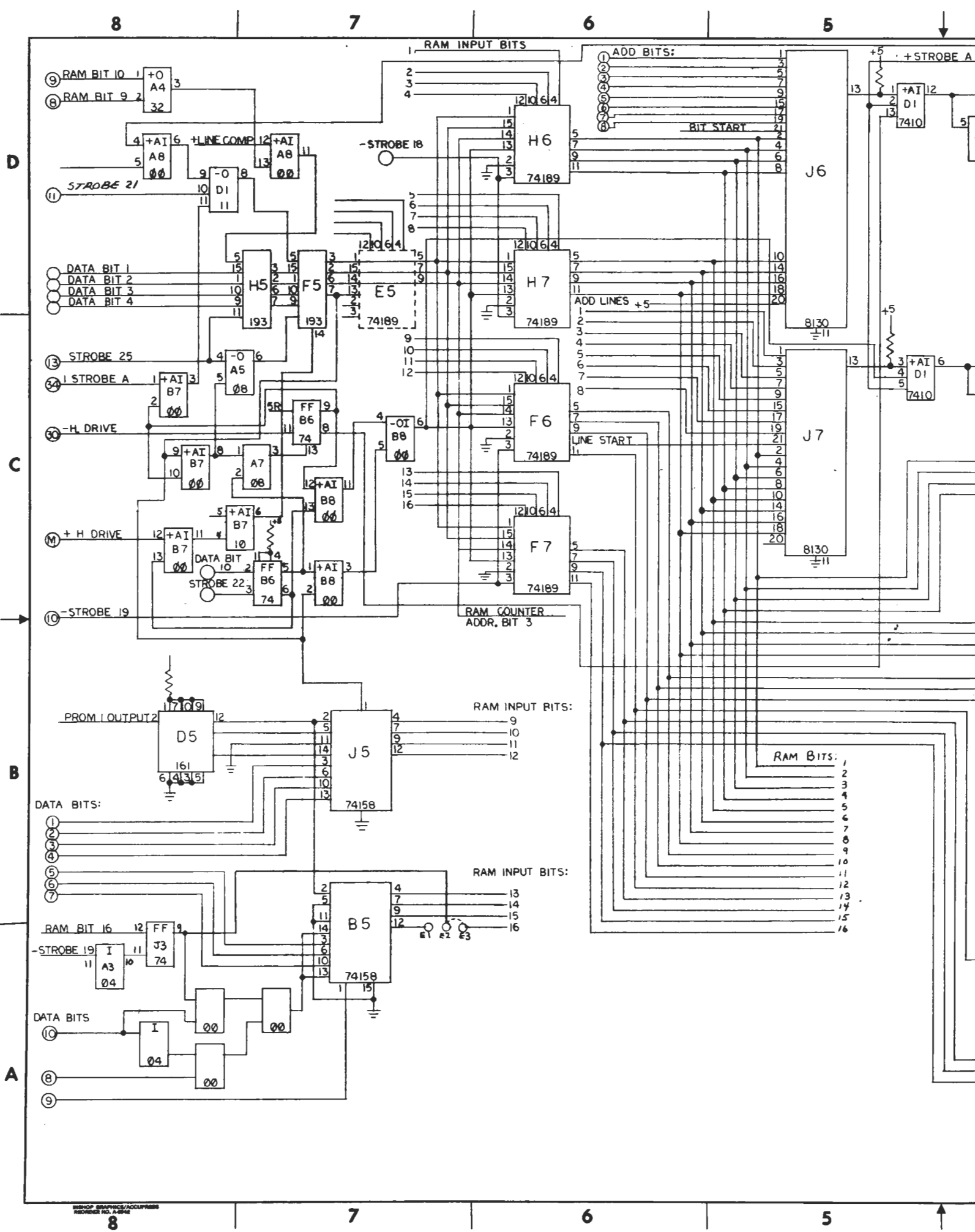
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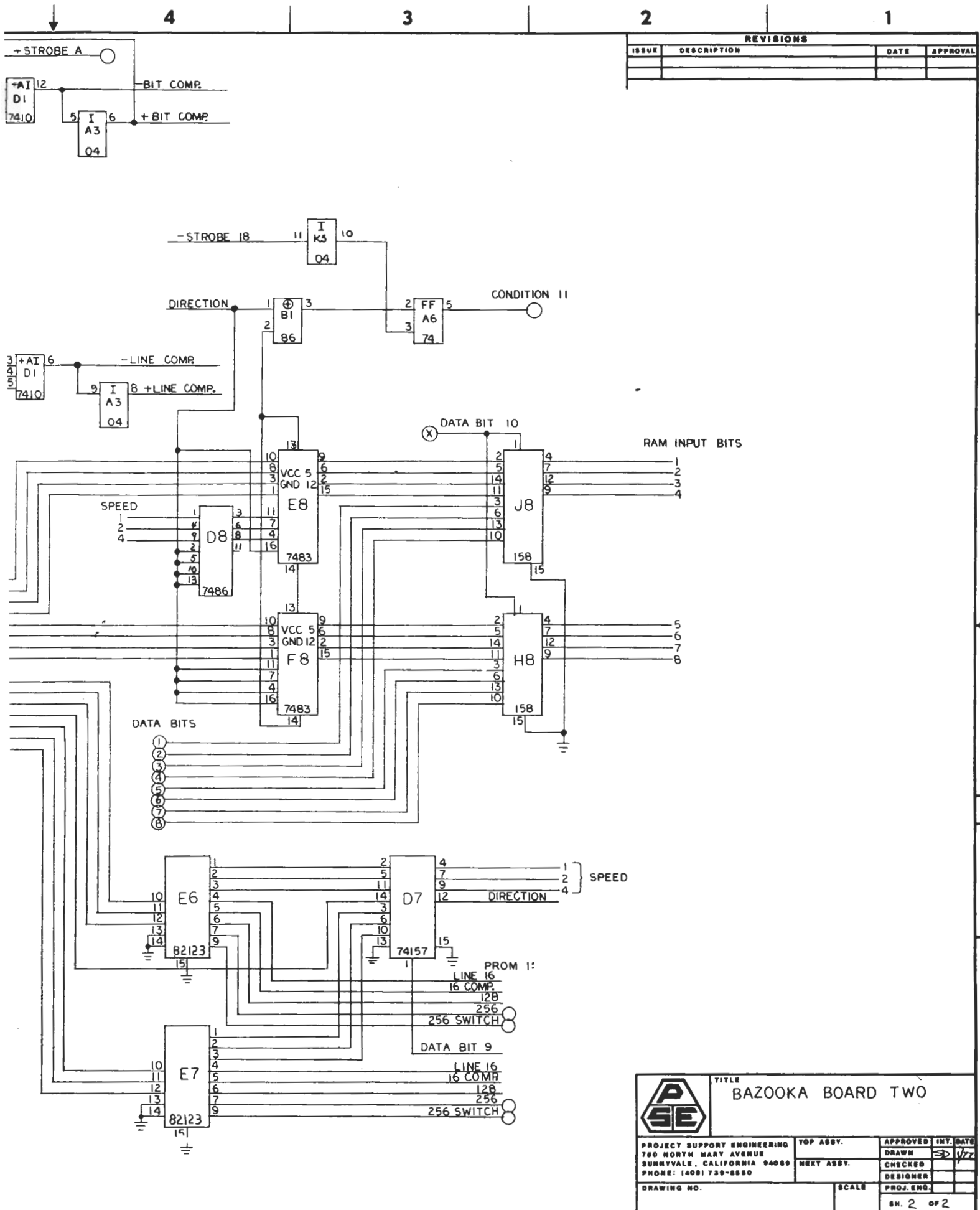


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DRAWING NO.	NEXT ASST.	DRAWN	SB 1/77
SCALE	DESIGNED	DESIGNER	
	PROJ. ENG.		
			SN. 1 OF 2



REVISIONS			
ISSUE	DESCRIPTION	DATE	APPROVAL



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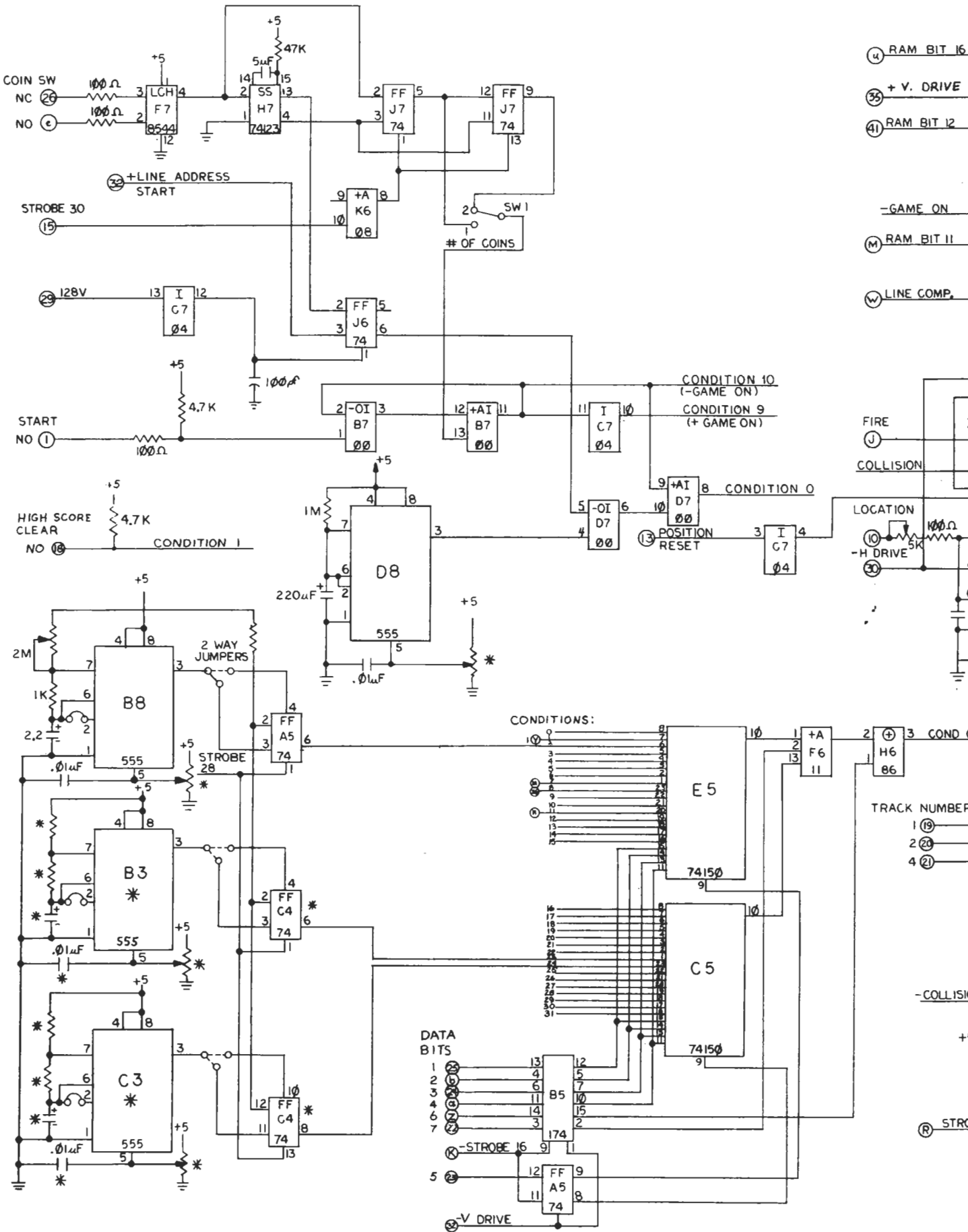
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- (u) RAM BIT 16
- (35) + V. DRIVE
- (41) RAM BIT 12

- GAME ON
- (M) RAM BIT 11
- (W) LINE COMP.

- FIRE (J)
- COLLISION
- LOCATION
- (10) -H DRIVE
- (30)

- TRACK NUMBER
- 1 (19)
 - 2 (20)
 - 4 (21)

- COLLISION
- (R) STROBE

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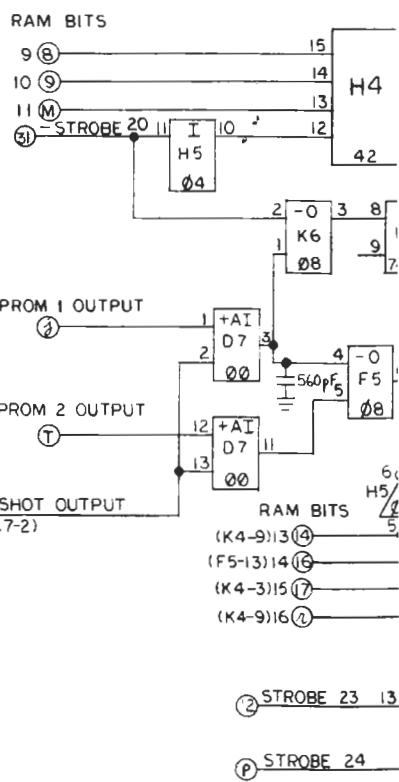
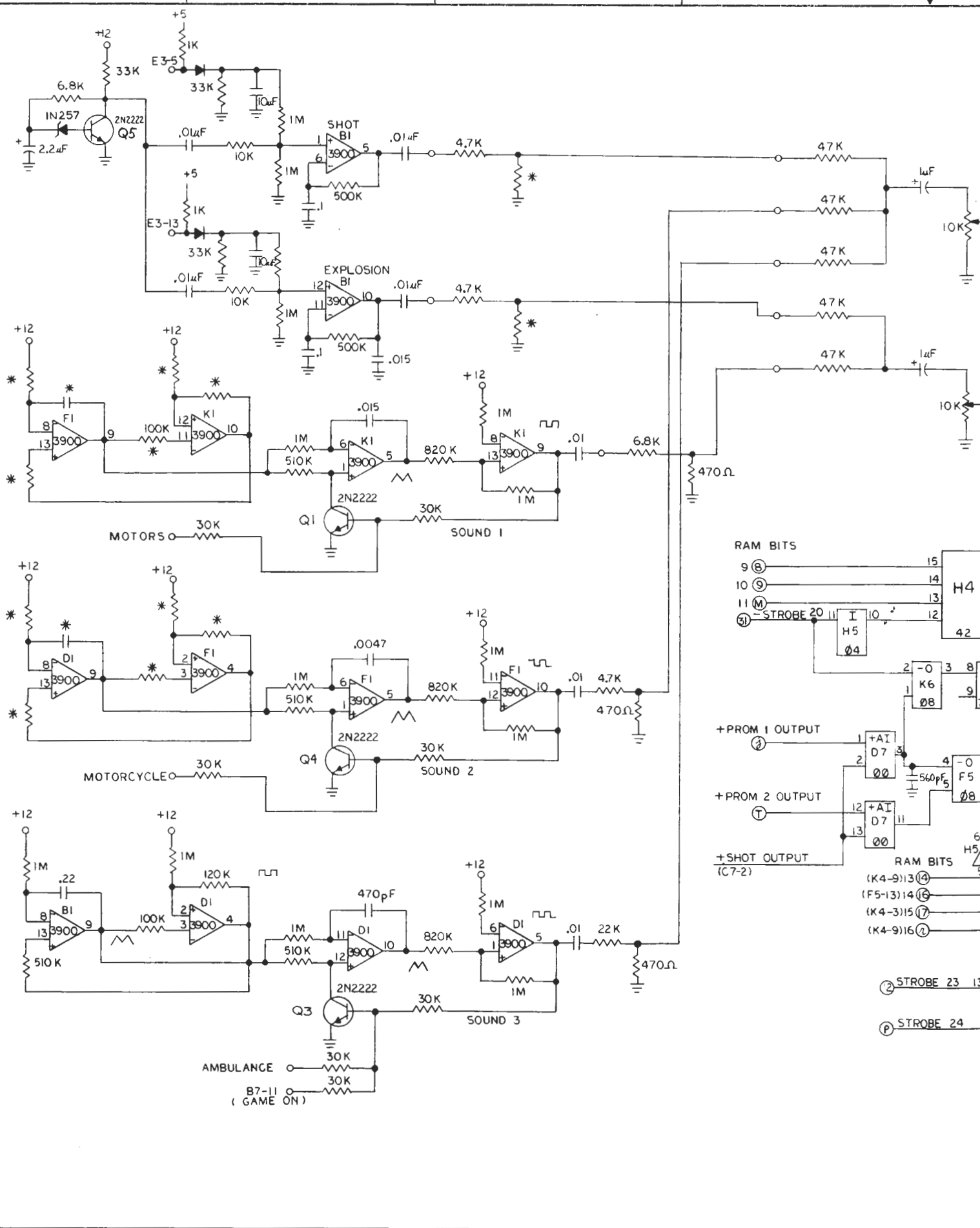
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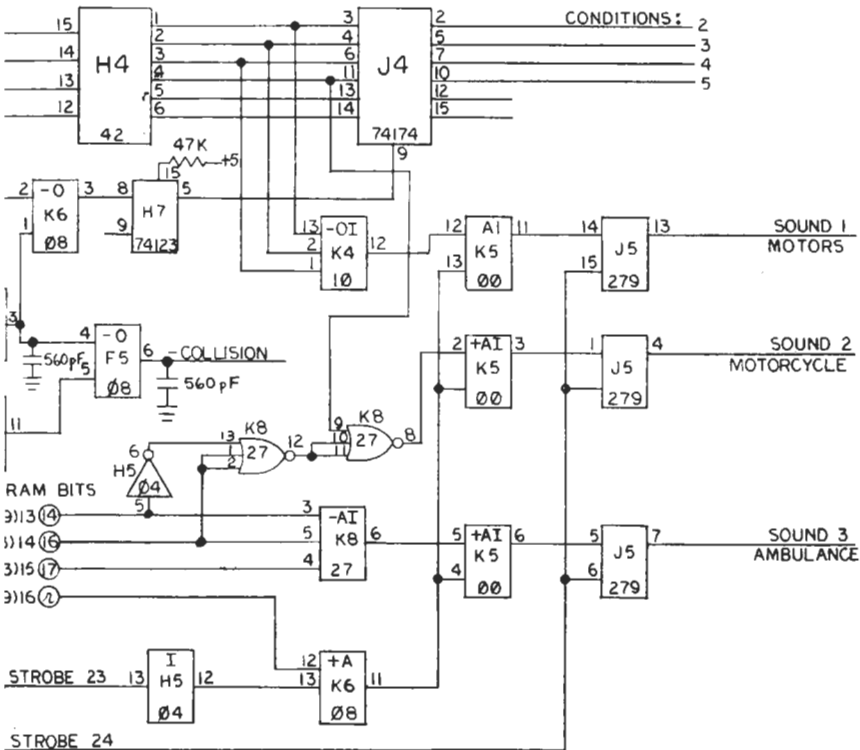
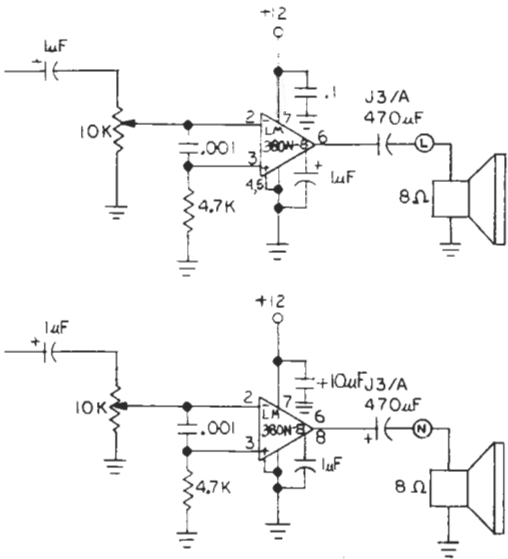
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REVISIONS			
ISSUE	DESCRIPTION	DATE	APPROVAL

NOTE:

ALL PARTS MARKED *
NOT USED IN BAZOOKA.



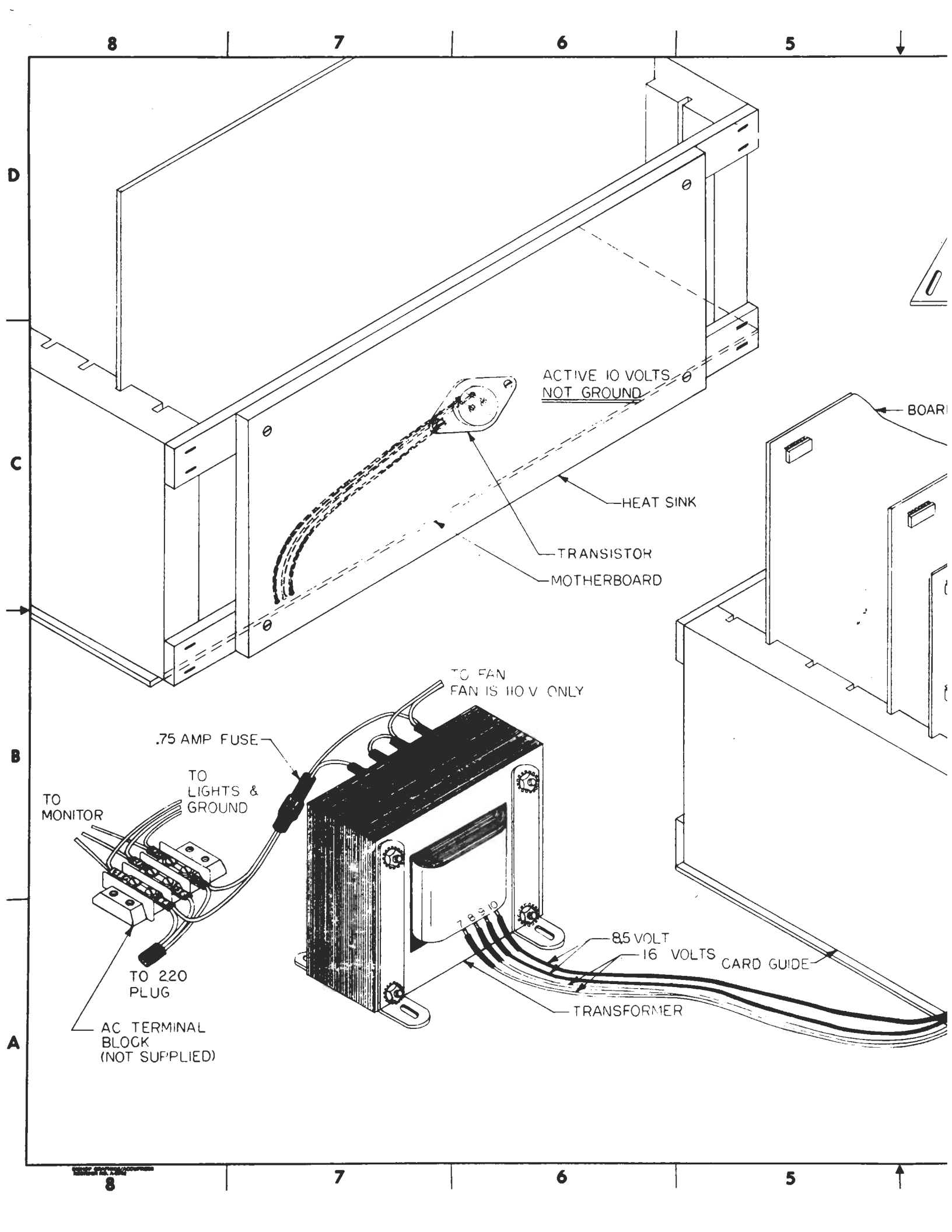
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DRAWING NO.	SCALE	PROJ. ENG.		
		SH. 2 OF 2		

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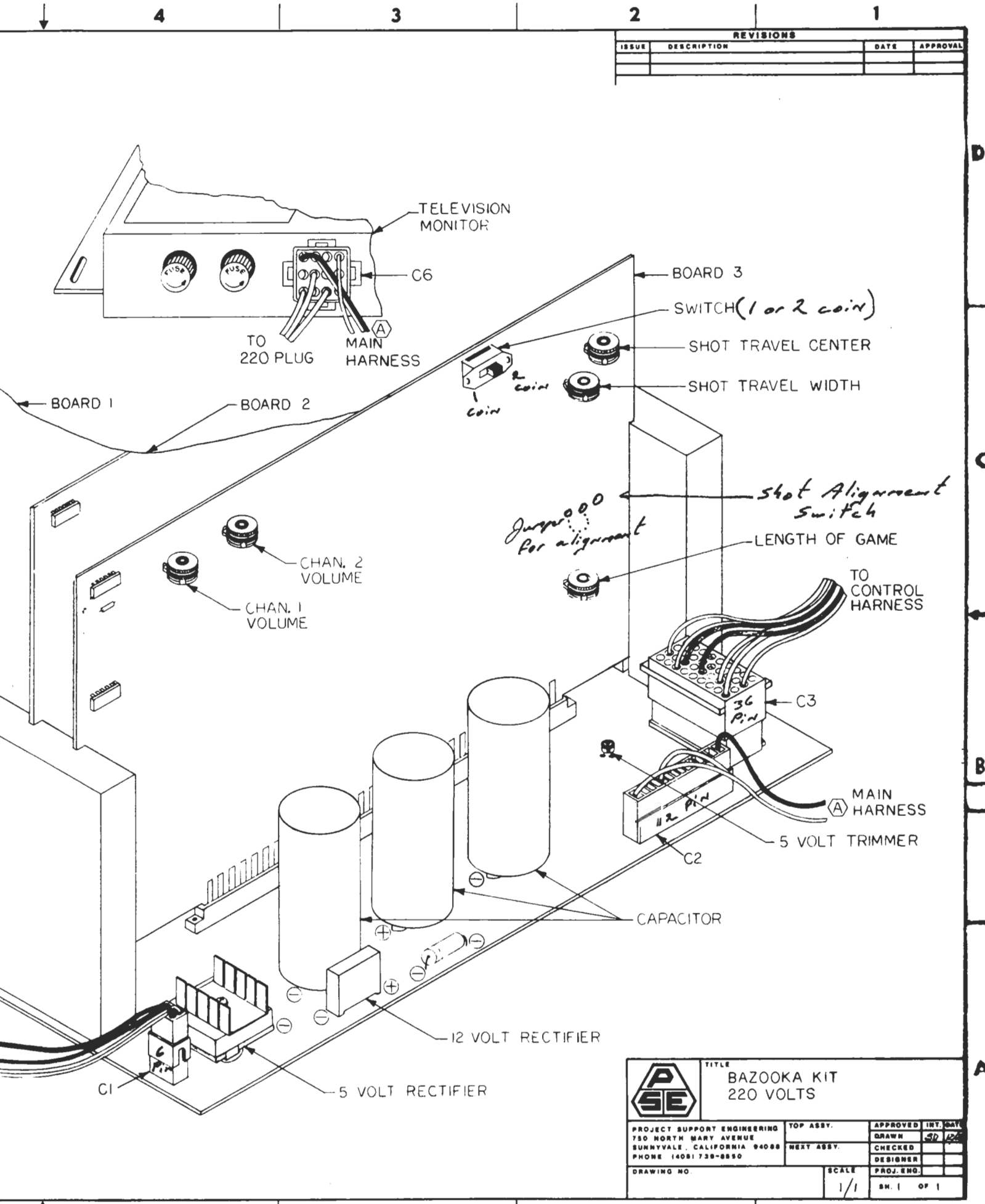
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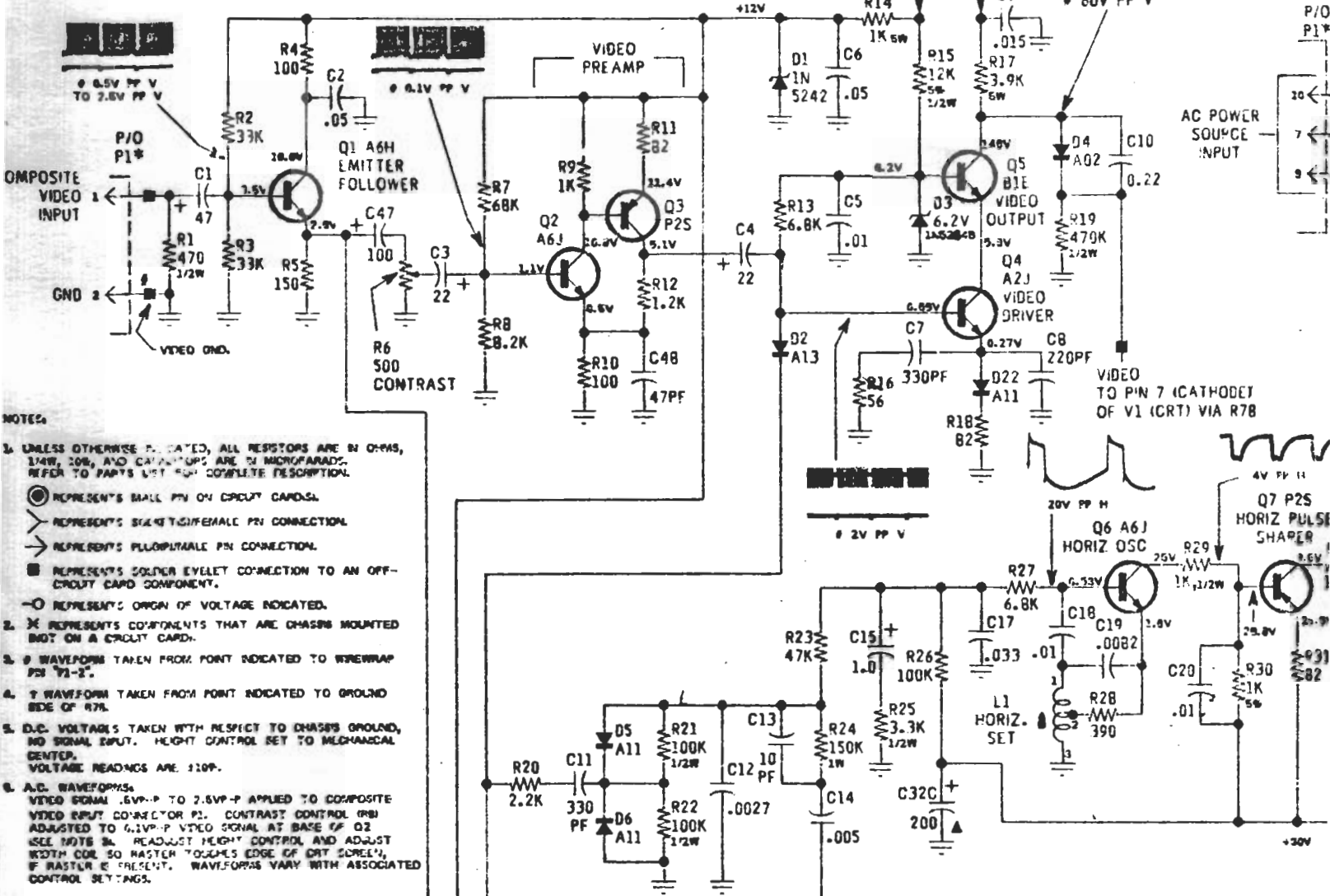


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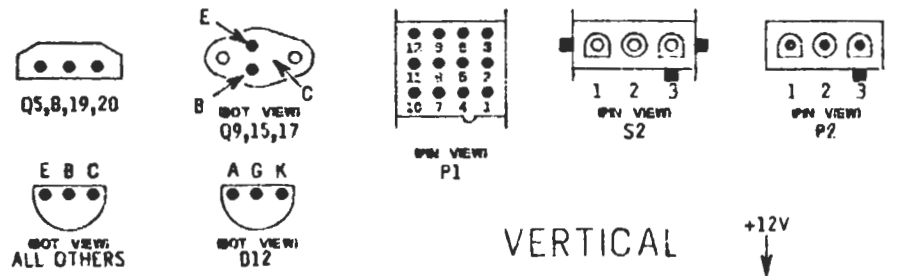
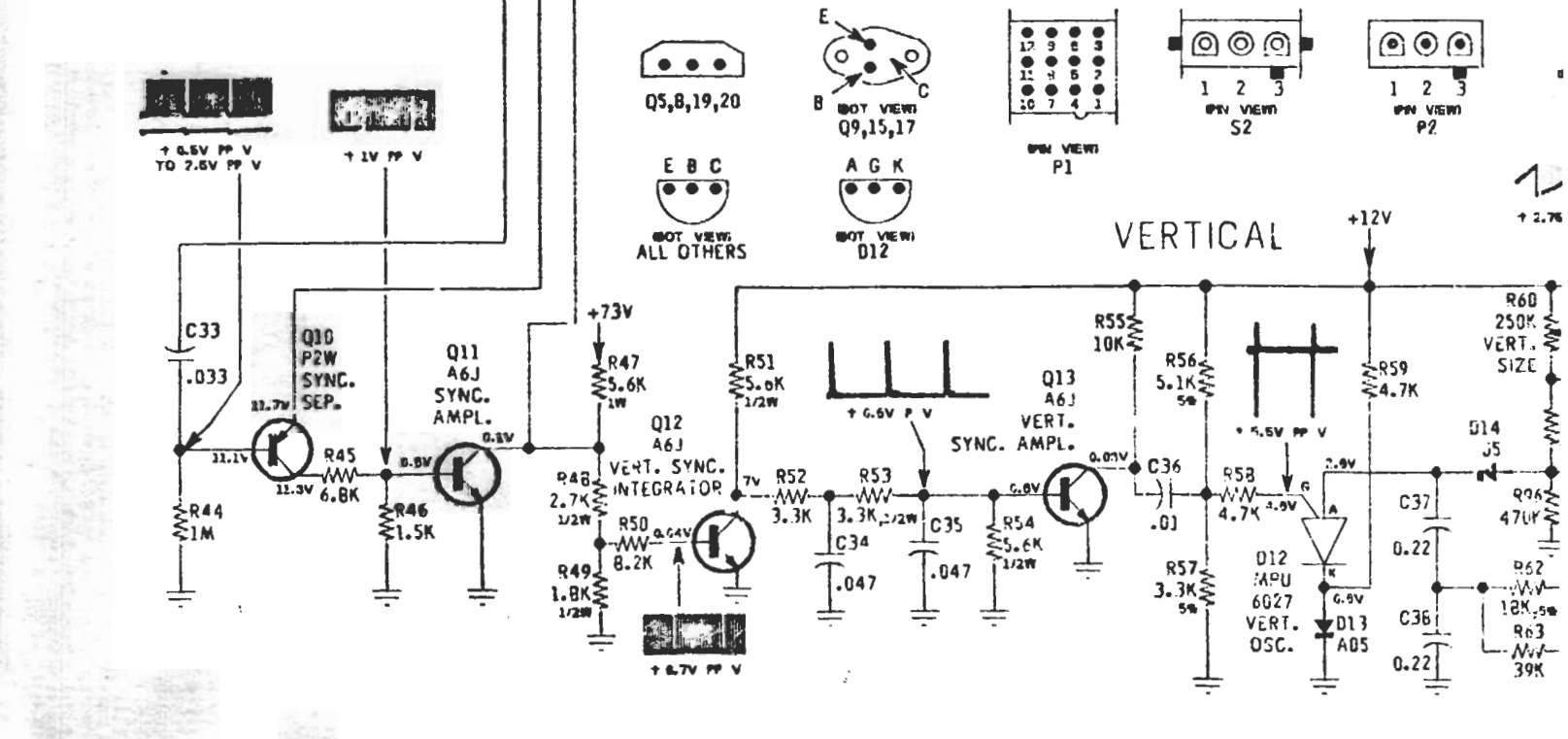


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DRAWING NO.	SCALE 1/1	CHECKED <input type="checkbox"/>	EXT. DATE <input type="checkbox"/>
DESIGNER <input type="checkbox"/>	PROJ. ENG. <input type="checkbox"/>	SH. 1 OF 1	

VIDEO



- NOTES:**
- UNLESS OTHERWISE INDICATED, ALL RESISTORS ARE IN OHMS, 1/4W, 10%, AND CAPACITORS ARE IN MICROFARADS. REFER TO PARTS LIST FOR COMPLETE DESCRIPTION.
 - ⊙ REPRESENTS BALL PIN ON CIRCUIT CARDS.
 - ⊗ REPRESENTS SOCKET/FEMALE PIN CONNECTION.
 - REPRESENTS FLUOROPLASTIC PIN CONNECTION.
 - REPRESENTS SOLDER EYELET CONNECTION TO AN OFF-CIRCUIT CARD COMPONENT.
 - REPRESENTS ORIGIN OF VOLTAGE INDICATED.
 - X REPRESENTS COMPONENTS THAT ARE CHASSIS MOUNTED BUT ON A CIRCUIT CARD.
 - W WAVEFORM TAKEN FROM POINT INDICATED TO WIREWRAP PIN #1-2.
 - V WAVEFORM TAKEN FROM POINT INDICATED TO GROUND SIDE OF R78.
 - D.C. VOLTAGES TAKEN WITH RESPECT TO CHASSIS GROUND, NO SIGNAL INPUT. HEIGHT CONTROL SET TO MECHANICAL CENTER. VOLTAGE READINGS ARE 110P.
 - A.C. WAVEFORMS: VIDEO SIGNAL .5VP-P TO 2.5VP-P APPLIED TO COMPOSITE VIDEO INPUT CONNECTOR P1. CONTRAST CONTROL (R6) ADJUSTED TO 0.5VP-P VIDEO SIGNAL AT BASE OF Q2. SEE NOTE 2. READJUST HEIGHT CONTROL AND ADJUST WIDTH CONTROL SO RASTER TOUCHES EDGE OF CRT SCREEN, IF RASTER IS PRESENT. WAVEFORMS VARY WITH ASSOCIATED CONTROL SETTINGS.



POWER SUPPLY

