


JAMES G. NEIGHBOR, Pres.  
ATC West Inc.  
11711 W. 53rd Street  
Shawnee, KS 66203  
913-268-9051

 **Electronic Associates, Inc.**  
185 Monmouth Parkway, West Long Branch, N.J. 07764 (201) 229-1100



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ATC-810  
DRAWINGS VOLUME

*GENE  
HUDSON*



**ELECTRONIC ASSOCIATES, INC.  
UNITED STATES OPERATIONS**

**LOCATION**

**HEADQUARTERS**  
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**FACILITIES**

Corporate Headquarters  
Computer Service Division  
Principal Engineering and  
Manufacturing  
Sales and Service  
International Operations  
Headquarters

Sales and Service

**LOCATION**

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**FACILITIES**

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Sales and Service

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Sales and Service  
Manufacturing

**SWEDEN**

EAI - Electronic Associates A.B.\*  
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S-17103 SOLNA, Sweden  
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Telex: 10064 (PACEAB S)

Sales and Service

**GERMANY**

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West Germany  
Telephone: 0241/26041-2 automatischer Telefondienst  
Telex: 08-32676 (EAID)

Sales and Service

**FRANCE**

EAI - Electronic Associates Sarl.  
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F-75737 PARIS CEDEX 15, France  
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Telex: 270610 (PACEPAR)

Sales and Service

**UNITED KINGDOM**

EAI - Electronic Associates, Ltd.\*  
Unit 31, Victoria Road  
Burgess Hill, West Sussex,  
RH150JR England  
Telephone: 5101  
Telex: 87183 (EAL BHL/G)

Sales and Service

**CANADA**

Allan Crawford Associates, Ltd.\*  
6503 Northam Drive  
Mississauga, Ontario L4V 1J2  
Telephone: 416-678-1500  
Telex: 610-492-2119 (A CRAWFORD TOR)

Sales and Service

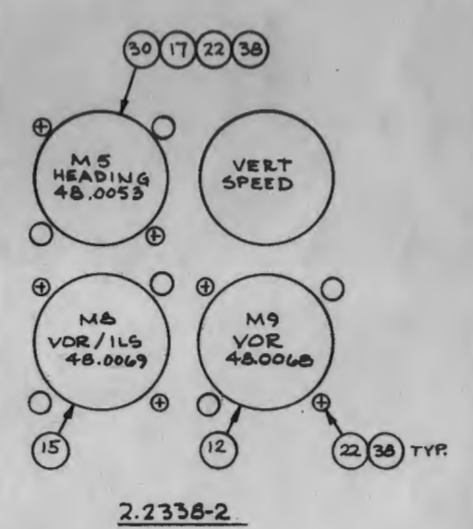
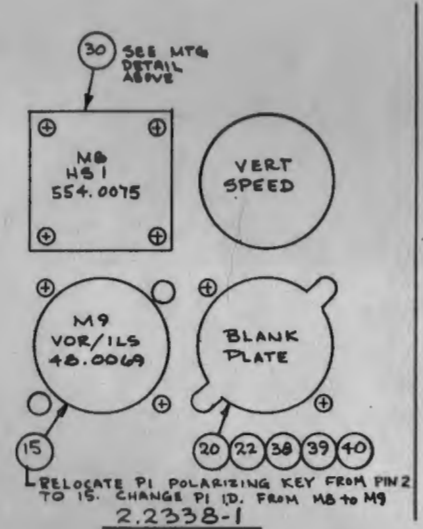
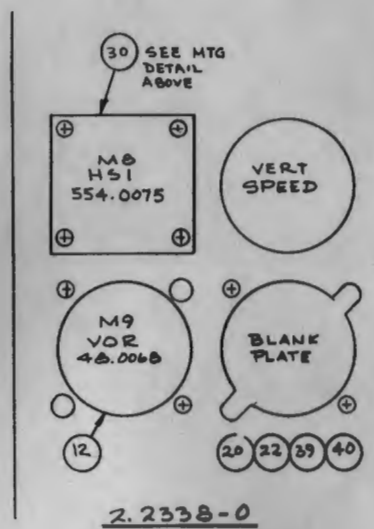
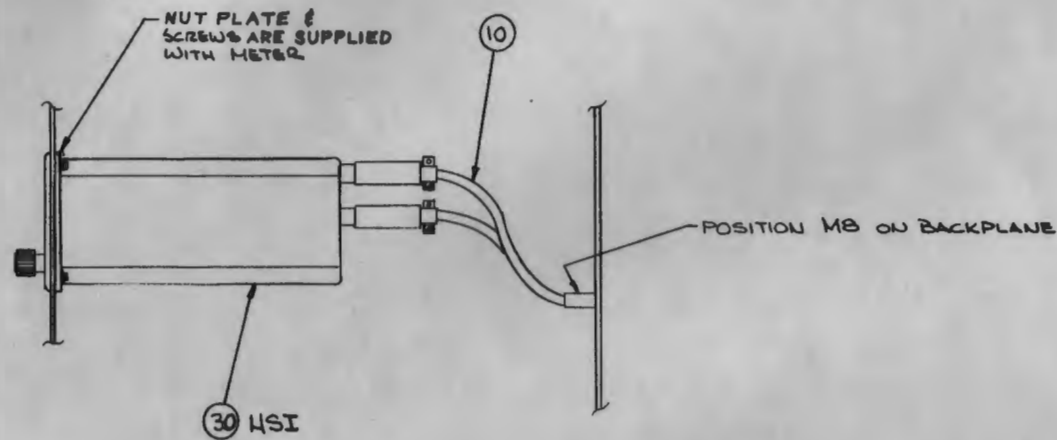
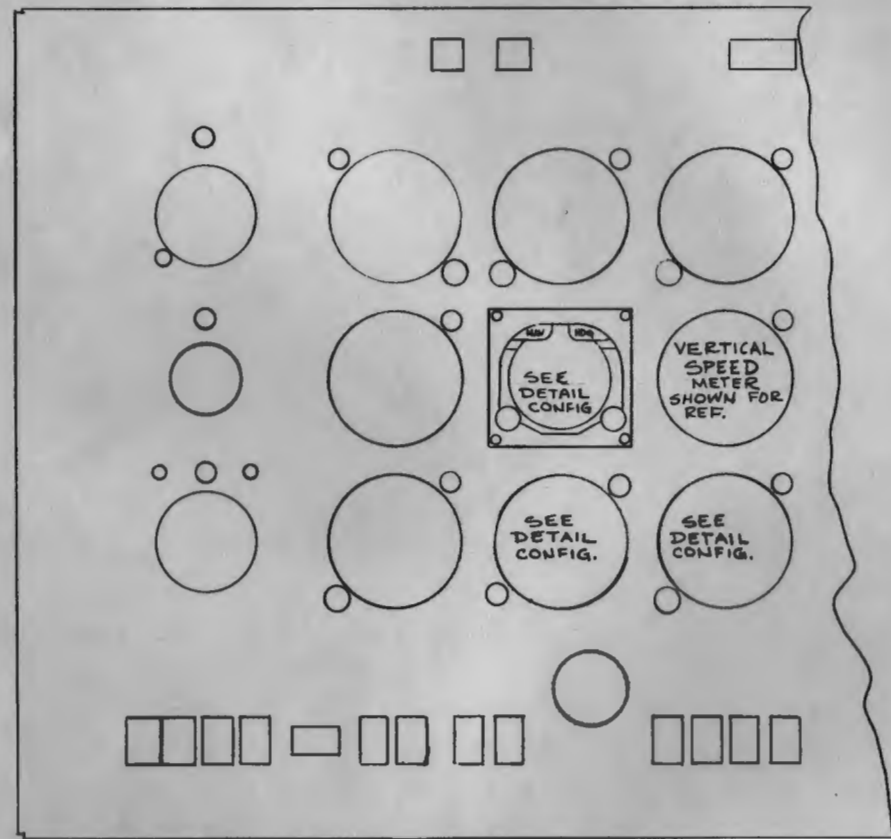
\*An independent organization





NOTES  
 1. AFTER MOUNTING METERS, PLUG CABLES INTO THE BACKPLANE.  
 MATCH SYMBOL NO. OF METER TO BACKPLANE CONNECTOR.

REV.	REVISIONS	DATE
1	REPLACED ITEM #9 NUT WITH NUT PLATE (AREA 'E') 14 MAR 51 810-323-0	
2	EXT. CHGS MADE SEE VOIDED COPY IN SEPRD ADDED - 1 & 2 VAR'S 3 AUG 52 810-511-0	



2A  
 1A  
 002 2338-0A SEE RESPECTIVE DETAILS  
 AM1 2338 0P  
 2P  
 1P

MATERIAL: SEE PARTS LIST		Acc 002 2338 OP		SHT NO.	
FINISH:	UNLESS OTHERWISE SPECIFIED	DATE:	0-5-80	REV. NO.	
DESIGNER:	Don	DATE:	9-13-80	REV. NO.	
CHECKER:	Don	DATE:	9/10/80	REV. NO.	
PROJECT: 103566				D00 002 2338 0A	

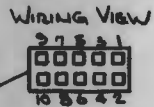
EAI  
 ASSEMBLY  
 EXPANSION HSI  
 (810)





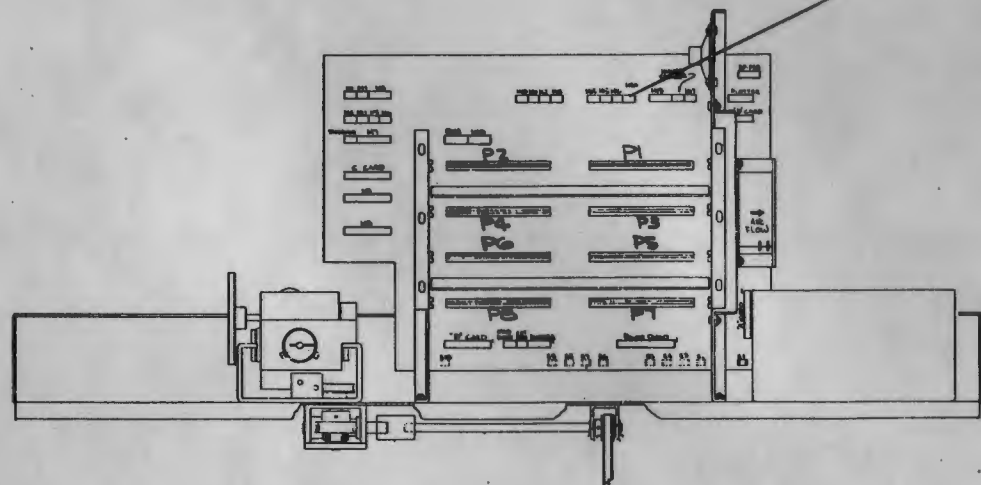


NOTE 2 - FOR COPPER REV 9 & HIGHER  
 INSTALL FUEL FLOW METER AS INDICATED AND PLUG  
 CONNECTOR INTO NEW M20 POSITION ON BACK PANEL,  
 NO WIRING CHANGES REQ'D.



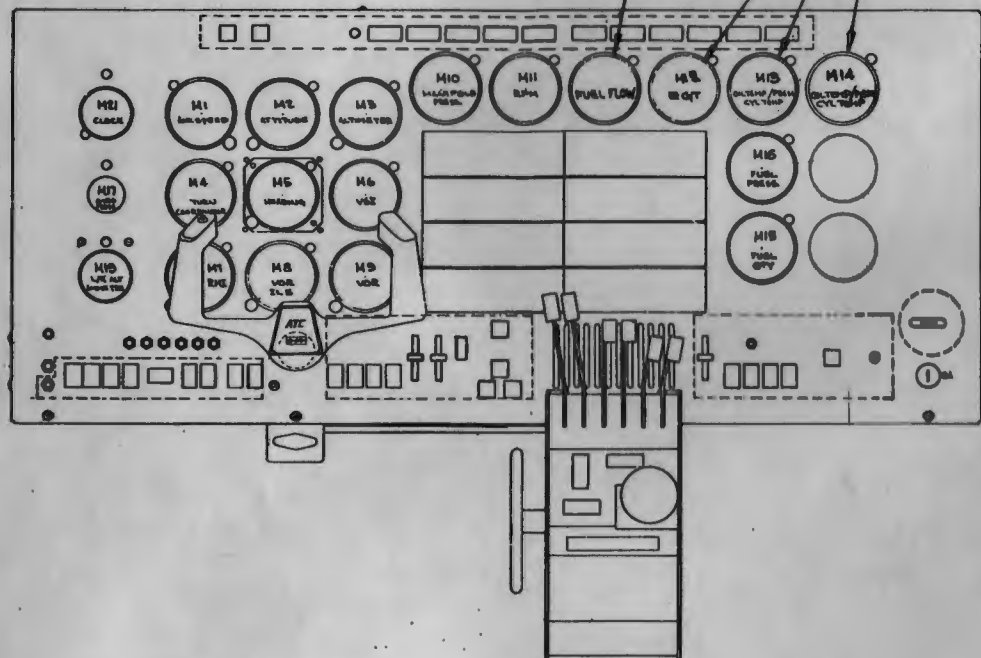
POSITION M20

NOTE 1 - FOR COPPER REV 8 & LOWER  
 REMOVE CONNECTOR ON M20 (VIBRATOR  
 MOTOR). REMOVE THE YEL & BLACK WIRES  
 WITH THESE CONTACTS FROM THE CONNECTOR.  
 INSTALL THE YEL & BLK WIRES IN THE FUEL  
 FLOW METER CONNECTOR, YEL IN POSITION  
 5 & BLK IN POSITION 6, THEN PLUG CONNECTOR  
 IN TO POSITION M20

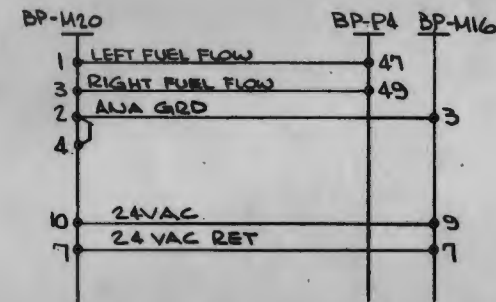


INSTALL FUEL FLOW METER  
 O. 48.0072

MOVE THESE METERS  
 ONE POSITION TO THE  
 RIGHT AS SHOWN



WIRES TO BE ADDED TO BACKPLANE  
 FOR COPPER REV 8 & LOWER



USE BLU #30KYNAR (00 982 06220)

SHEET 1 FOR SERIAL NO. 167 AND ABOVE  
 EXCEPT - INCLUDING SERIAL NO. 163 AND NOT  
 INCLUDING SERIAL NO. 169  
 (UNITS THAT HAVE 51.0671 COM1/ADF CARD)

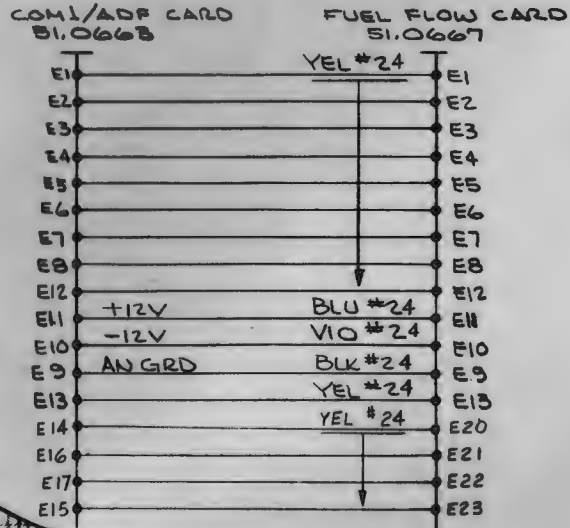
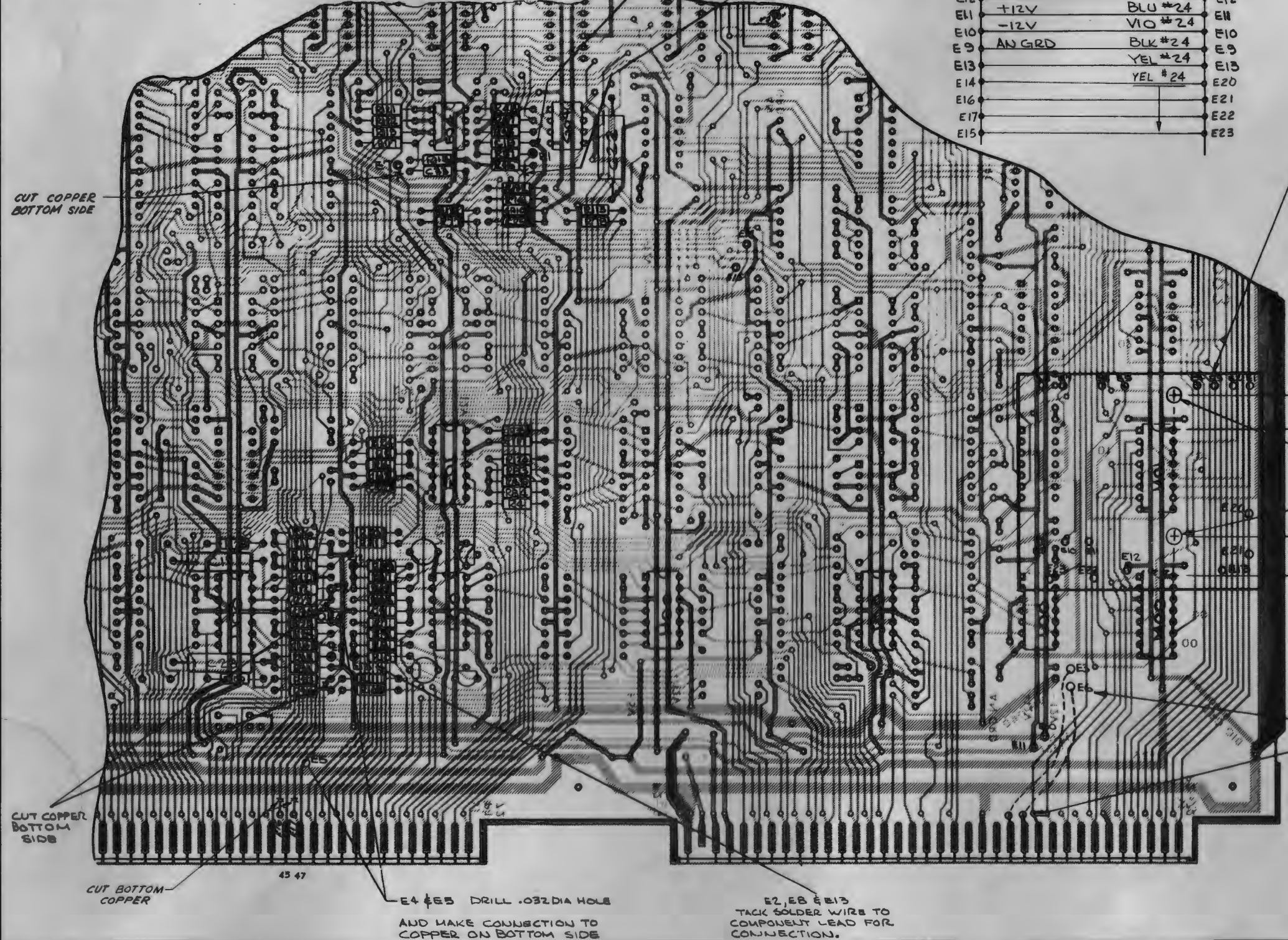
MATERIAL: SEE PARTS LIST A00 002 2353 OP		SHEET NO. 2	
FINISH: UNLESS OTHERWISE SPECIFIED		SIZE: D	REV. NO. 1
UNLESS OTHERWISE SPECIFIED		DATE: 3-23-81	PROJECT: D00 002 2353 0A
DRAWN BY: RDM		DATE: 7-19-81	SHEET 1 OF 2 SHEETS
CHECKED BY: RDM		DATE: 7/21/81	

REV	DESCRIPTION	DATE
1	REV SHT 2, 15 OCT 81 ECO# 810-460-1	
2	AREA F-7-NOTE 1 COPPER REV WAS NOT SPEC'D. NOTE 2 WAS NOT SPEC'D. AREA D-3, DELETE NOTE "SEE SHT 2 FOR MOD. TO COM1/ADF CARD O. 51.0663" AREA I-1, ADDED "SHEET 1 FOR..." 16 OCT 81 ECO# 810-432-2	

EAI  
 ELECTRONIC ASSEMBLY, INC. Fort Lee, N.J.  
 ASSEMBLY  
 EXPANSION FUEL  
 FLOW METER (810)

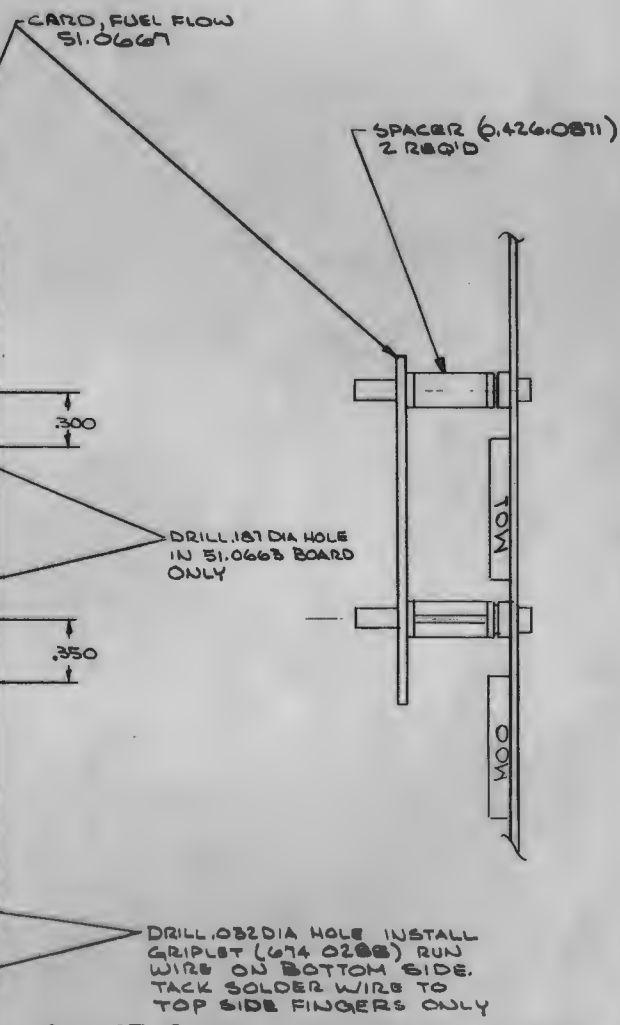


ITEM AC	EAI DRAWING PART NUMBER	QTY RECD	COMPONENT REF DESIGNATION	DRAWING / PART DESCRIPTION
	DOC/002.2353-CA			ASSEMBLY
5	ACC/040.0072-CP	1		METER, FUEL FLOW (810)
10	AGG/051.0667-CP	1		CARD, FUEL FLOW (DAUGHTER BD)
13	OC/426.0859-C	2		WASHER, FLAT #6X.312X.035 THK, BLK OXIDE
15	OC/426.0871-C	2		SPACER SNAP-IN .625 HIGH
19	OO/625.0392-C	2	R15, R95	RESISTOR, FXD, COMP 3.9K OHM 5% 1/4W
20	OC/625.0912-C	2	R46, R118	RESISTOR, FXD, COMP 9.1K OHM 5% 1/4W
21	OC/625.0913-C	2	R12, R92	RESISTOR, FXD, COMP 91K OHM 5% 1/4W
23	OC/625.0682-C	2	R24, R120	RESISTOR, FXD, COMP 6.8K OHM, 5%, 1/4W
25	BDD/674.0268-C	6		GRIPLET, .015-.025 LEAD SIZE
27	58/733.2420-3	2		SCREW, PH TRUSS HDW6-32X3/4 BLK CX ST



- NOTES:
1. REMOVE C17 & C28
  2. REPLACE R12 & R92 100K RESISTOR WITH 91K RESISTORS (625.0913-0)
  3. REPLACE R24 & R120 30K RESISTORS WITH 6.8K RESISTORS (625.0682-0)
  4. REPLACE R46 & R118 68K RESISTORS WITH 9.1K RESISTORS (625.0912-0)
  5. AFTER MODIFICATIONS HAVE BEEN MADE ADD TO CARD IDENTIFICATION NB "WITH 0.2.2353 EXPANSION"
  6. CHANGE R15 & R95 TO 3.9K.
  7. SOME UNITS WERE MODIFIED WITH DIODES, CR1 & CR3 INSTALLED AT E14 & E15 INSTEAD OF BEING MOUNTED ON FUEL FLOW CARD. SEE ECO 810 460-1 FILE FOR RECORD PURPOSE.
  8. SHT 1 INFORMATION APPLIES EXCEPT FOR NOTE 2.

REV	DESCRIPTION	DATE
1	EXTENSIVE CHGS MADE. REV 0 VOIDED COPY IN REPAIR 3 OCT 81 BY ECO # 810-460-1	



**SHEET 2 FOR SERIAL NO. 166 AND BELOW EXCEPT - NOT INCLUDING SERIAL NO. 163 AND INCLUDING SERIAL NO. 169 (UNITS THAT HAD SI.0663 COM1/ADF CARD)**

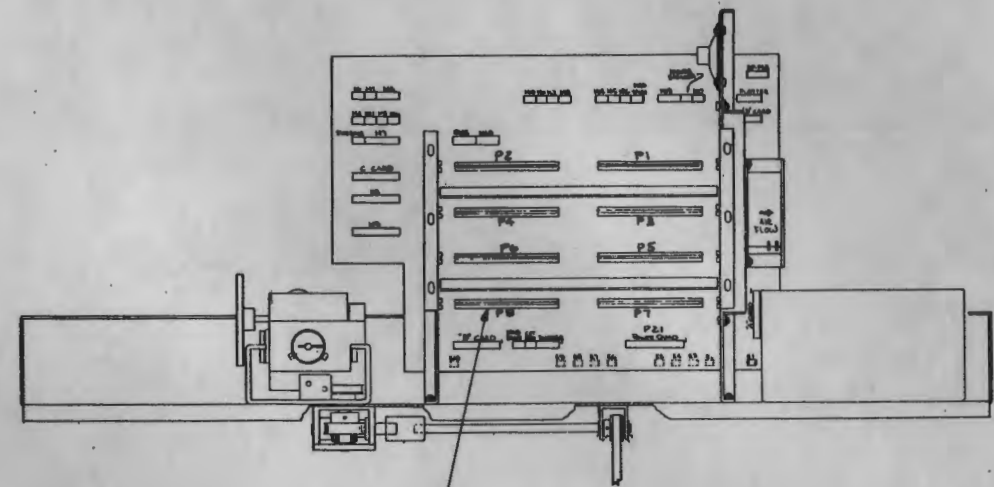
MATERIAL: SEE FIELD OF DRAWING

FINISH:	DATE:	REV. NO.:	SHT NO.:
DATE:	DATE:	DATE:	DATE:
DATE:	DATE:	DATE:	DATE:

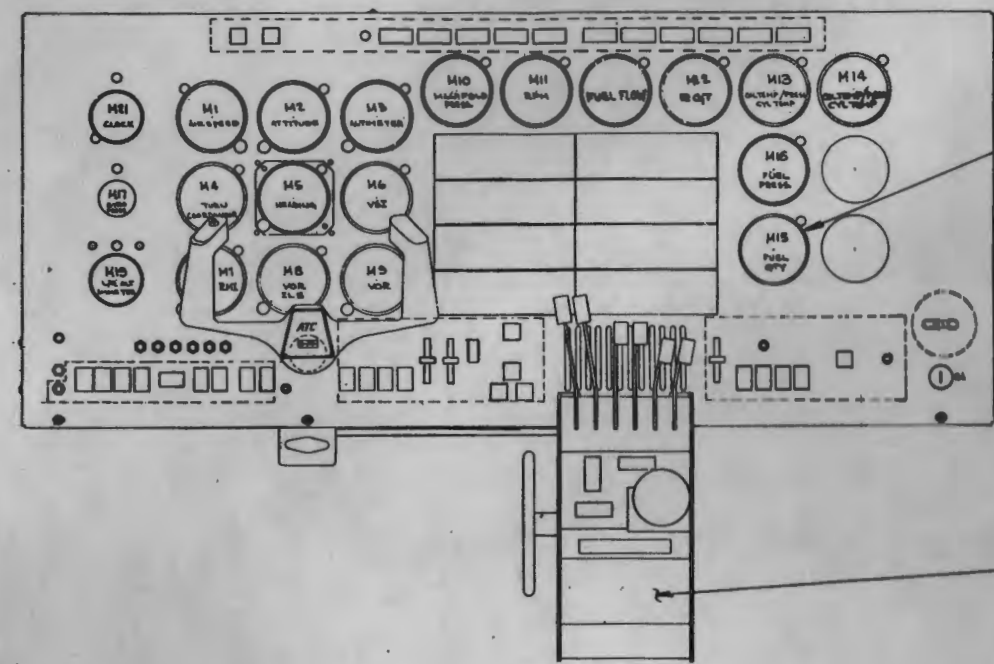
PROJECT: Doo 002 2353 0A



NOTE  
 1. UNITS WITH BACKPLANE COPPER REV. B OR LOWER, A WIRE MUST BE ADDED FROM P8-34 TO P21-25 (POWER QUAD).  
 2. FOR UNITS WHERE FUEL MANAGEMENT PANEL IS HARD WIRED (NO CONNECTOR) AND EXPANSION OPTION IS REQUIRED, MODIFY PER A64,012X (SERIAL NO'S BEFORE 127 EXCEPT NO'S 109 & 117).

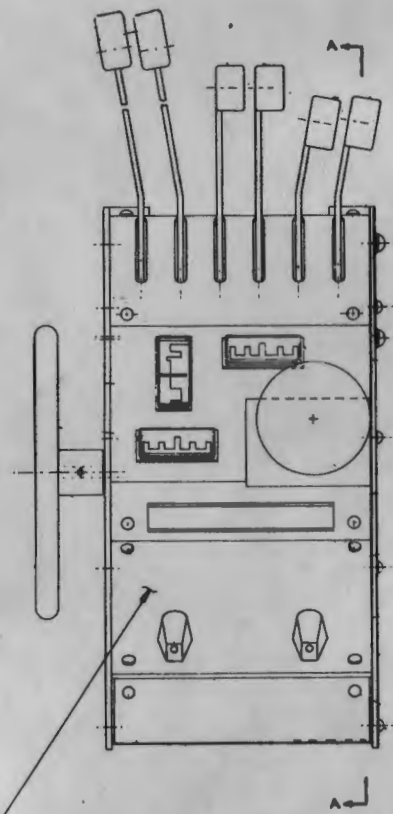


SEE NOTE 1  
 REAR VIEW

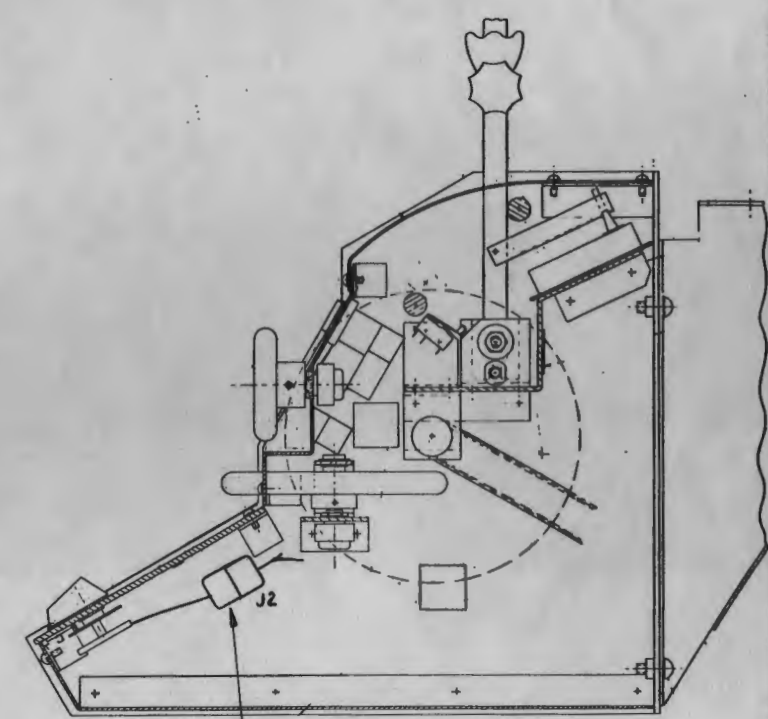


REMOVE FUEL QTY METER THEN INSTALL NEW FUEL QTY METER (20)

(10) REMOVE EXISTING PANEL THEN INSTALL NEW PANEL



POWER QUAD DETAIL



SECTION A-A

PLUG NEW PANEL INTO CONNECTOR. UNITS WITHOUT CONNECTOR SEE DWG # A64,012X.  
 -0 VAR  
 -1 VAR (SEE NOTE 2)

REV. NO.	DESCRIPTION	DATE

EAI

EXPANSION BEECH FUEL MANAGEMENT (B10)

MATERIAL: SEE PARTS LIST A00 002 2368 OP

FINISH:	SCALE:	DATE:	DATE:

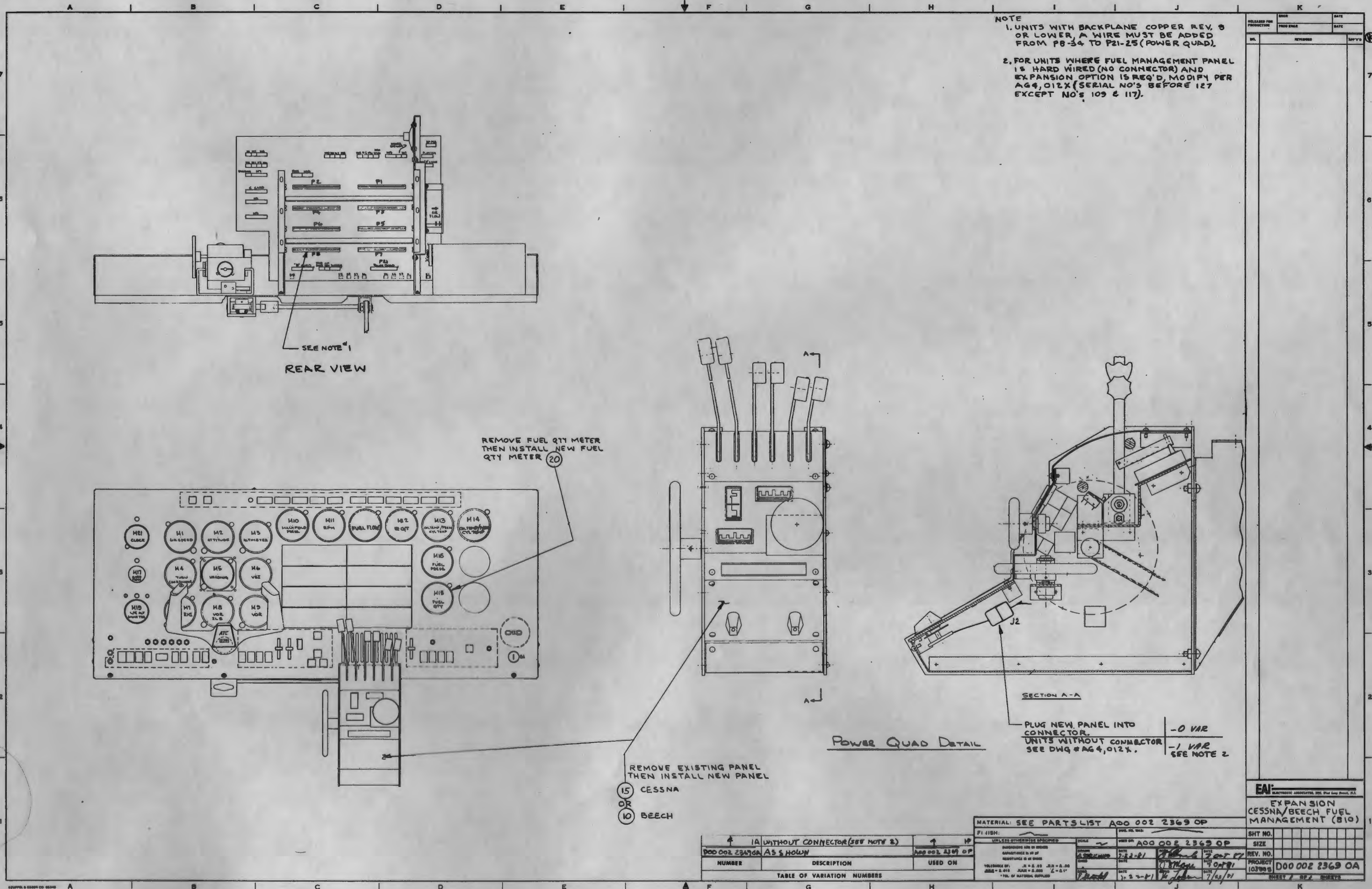
PROJECT: D00 002 2368 OA

SHEET OF SHEETS

NUMBER	DESCRIPTION	USED ON

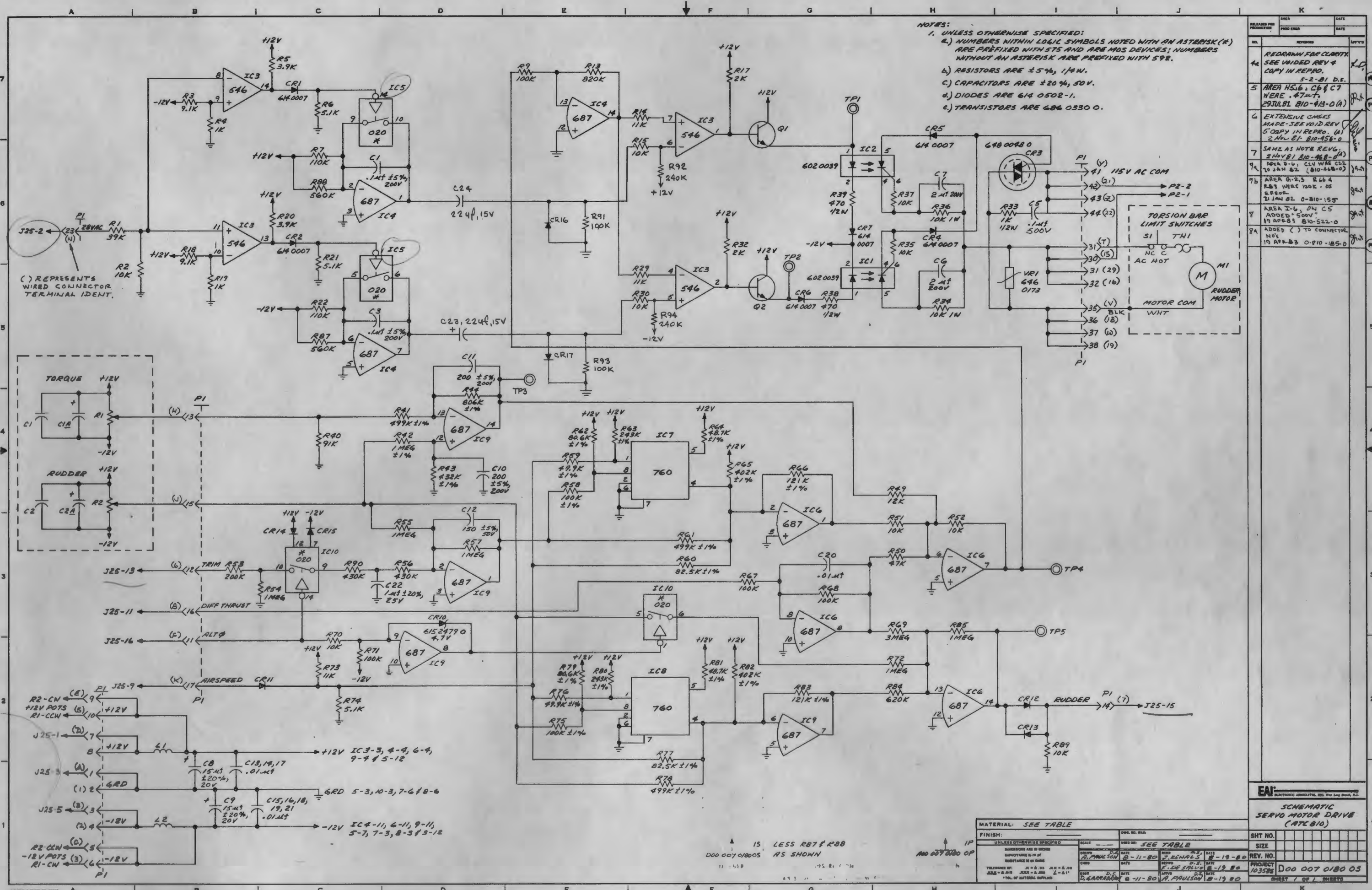
TABLE OF VARIATION NUMBERS





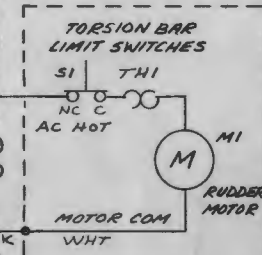
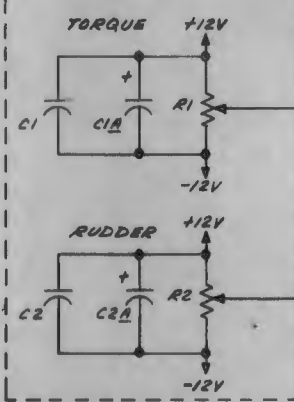




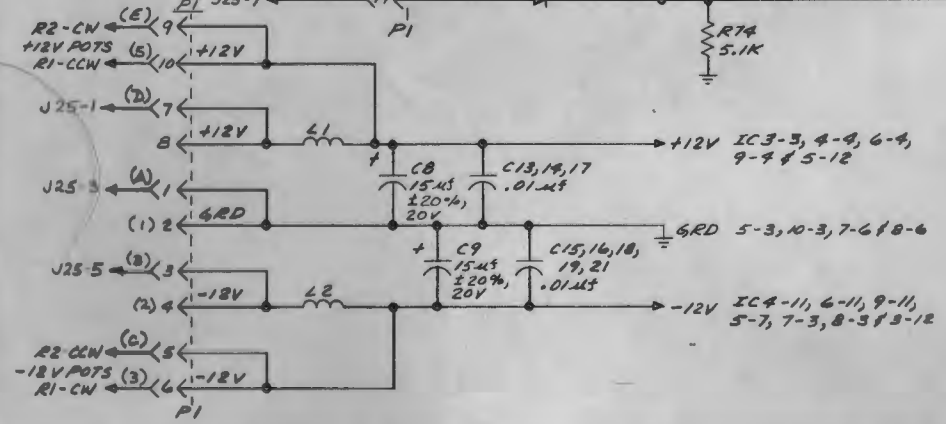


NOTES:  
 1. UNLESS OTHERWISE SPECIFIED:  
 a. NUMBERS WITHIN LOGIC SYMBOLS NOTED WITH AN ASTERISK (\*) ARE PREFIXED WITH STS AND ARE MOS DEVICES; NUMBERS WITHOUT AN ASTERISK ARE PREFIXED WITH 598.  
 b. RESISTORS ARE ±5%, 1/4W.  
 c. CAPACITORS ARE ±20%, 50V.  
 d. DIODES ARE 614 0502-1.  
 e. TRANSISTORS ARE 686 0330 0.

( ) REPRESENTS WIRED CONNECTOR TERMINAL IDENT.



NO.	REVISION	DATE
4a	REDRAWN FOR CLARITY SEE WAIVED REV 4 COPY IN REPRO.	5-2-81 D.S.
5	AREA H5.6, C6 & C7 WERE .47-7. 29 JUL 81 BID-413-0 (A)	7/29/81
6	EXTENSIVE CHANGES MADE-SEE VOID REV 5 COPY IN REPRO. (A) 2 NOV 81 BID-456-0	11/2/81
7	SAME AS NOTE REV 6 2 NOV 81 BID-468-0 (A)	11/2/81
7a	AREA D-4, C14 WAS C52 TO JAN 82 (B10-468-0)	1/19/82
7b	AREA G-2,3 R66 & R67 WERE 120K - 05 E.P.O.S. 21 JAN 82 0-B10-155	1/21/82
8	AREA I-6, ON C5 ADDED .500V 19 APR 83 B10-522-0	4/19/83
8a	ADDED ( ) TO CONNECTOR NO'S 19 A+B-B3 0-F10-185-D	1/19/83

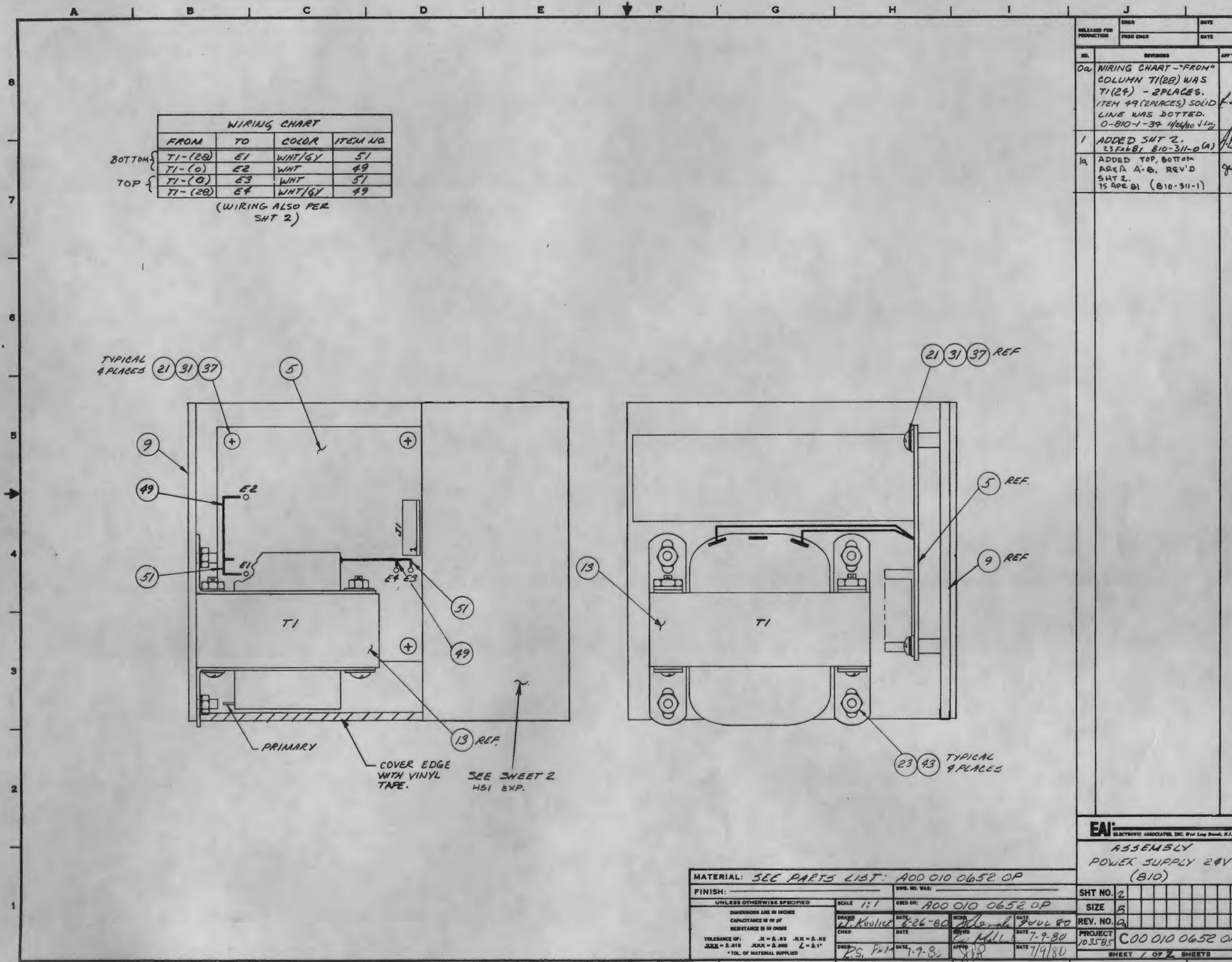


15 LESS R87 & R88  
 DDD 007 0180 S AS SHOWN

MATERIAL: SEE TABLE		FINISH: UNLESS OTHERWISE SPECIFIED		SCALE: SEE TABLE	
DRW	D.S.	DATE	11-80	REV	19-80
CHK	F. DE SALVO	DATE	11-80	REV	19-80
APPV	H. PAULSON	DATE	11-80	REV	19-80

SHT NO.	SIZE	REV. NO.	PROJECT
1			DDO 007 0180 05



WIRING CHART				
	FROM	TO	COLOR	ITEM NO.
BOTTOM	T1-(28)	E1	WHT/GY	51
	T1-(0)	E2	WHT	49
TOP	T1-(0)	E3	WHT	51
	T1-(28)	E4	WHT/GY	49

(WIRING ALSO PER SHT 2)

NO.	REVISIONS	APP'D	PC
0a	WIRING CHART - "FROM" COLUMN T1(28) WAS T1(24) - 2 PLACES. ITEM 49 (2 PLACES) SOLID LINE WAS DOTTED. 0-810-1-37 1/24/80 JLS	F.D.	PC
1	ADDED SHT 2. 23 FEB 81 810-311-0 (A)	J.D.	PC
1a	ADDED TOP, BOTTOM AREA A-B. REV'D SHT 2. 15 APR 81 (810-311-1)	gjt	PC

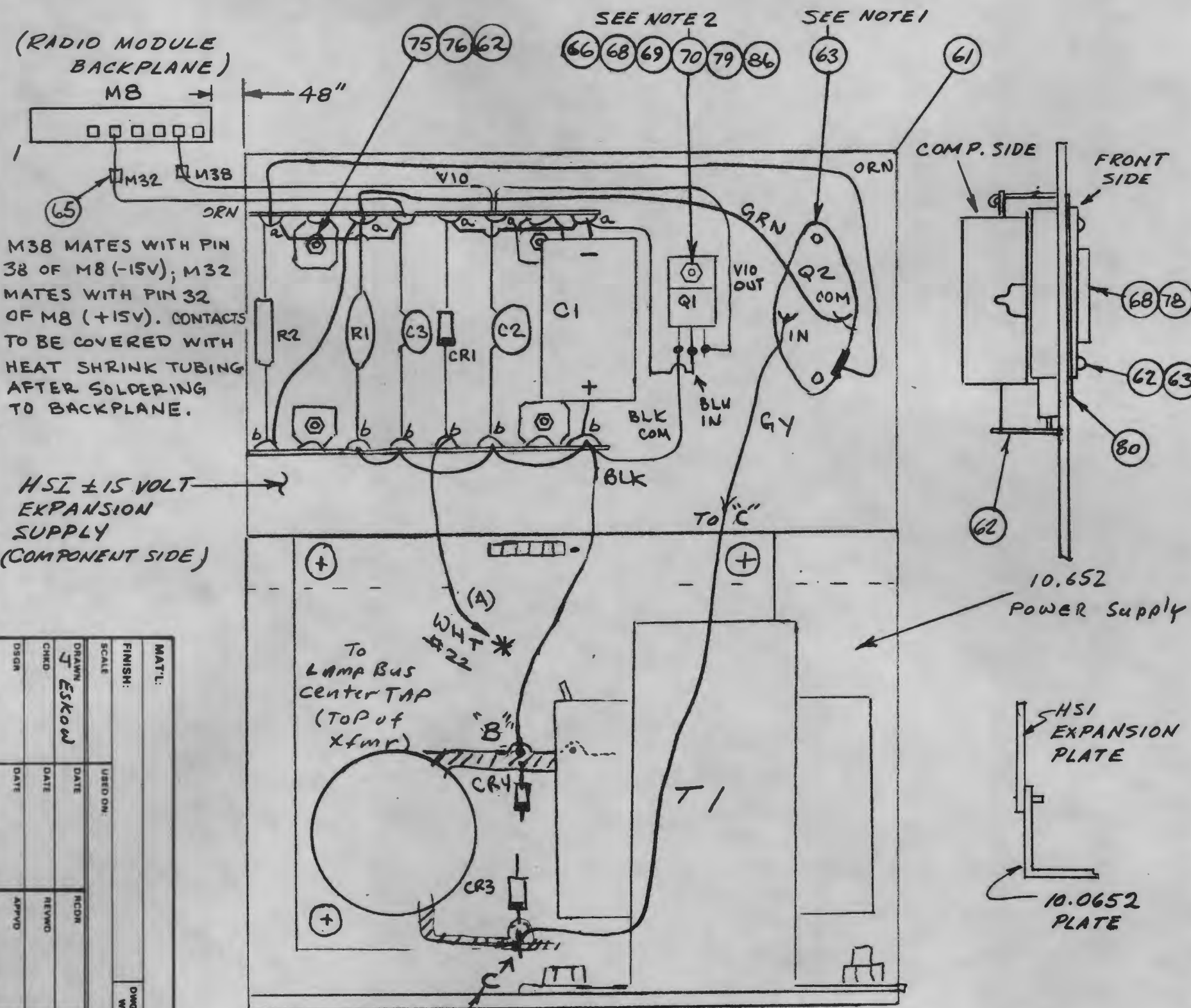
<b>EAI</b> ELECTRONIC ASSOCIATES, INC. 5741 Long Beach, N.J.	
<b>ASSEMBLY</b>	
POWER SUPPLY 24V (810)	
SHT NO.	2
SIZE	B
REV. NO.	2
PROJECT	C00 010 0652 0A
SHEET 1 OF 2 SHEETS	

MATERIAL: SEE PARTS LIST: A00 010 0652 0P			
FINISH:		DWS. NO. WAS:	
UNLESS OTHERWISE SPECIFIED		SCALE 1:1	
DIMENSIONS ARE IN INCHES		USED ON: A00 010 0652 0P	
CAPACITANCE IS IN PF		DRAWN: J. Koutler	
RESISTANCE IS IN OHMS		DATE: 6-26-80	
TOLERANCE OF: .X = ±.03 .XX = ±.02		CHECK: [Signature]	
.XXX = ±.015 .XXXX = ±.008		DATE: 7-9-80	
*TOL. OF MATERIAL SUPPLIED		DATE: 7-9-80	



- NOTES: 1) MOUNT Q2 USING INSULATOR AND HEAT SINK COMPOUND FROM FRONT SIDE  
 2.) INSERT ITEM 66 THRU MOUNTING HOLE FOR Q1 FROM FRONT SIDE - INSTALL INSULATOR, THEN THE REGULATOR ITEMS 66 & 79. CUT THE INSULATOR BUSHING (ITEM 6) FLUSH WITH THE SURFACE OF Q1 BEFORE INSTALLING HARDWARE ITEMS 68, 69 & 70.  
 3) MOUNT EXPANSION POWER SUPPLY AS SHOWN AND ADD WIRING TO POINTS A, B, C USING #22 WIRE 16" LONG - DRESS & CUT WHEN INSTALLING.

ALL WIRE IS #22



(RADIO MODULE BACKPLANE)  
 M8  
 M32 M38  
 M38 MATES WITH PIN 38 OF M8 (-15V); M32 MATES WITH PIN 32 OF M8 (+15V). CONTACTS TO BE COVERED WITH HEAT SHRINK TUBING AFTER SOLDERING TO BACKPLANE.

HSI ±15 VOLT EXPANSION SUPPLY (COMPONENT SIDE)

To Lamp Bus Center TAP (TOP of Xfmr)

"A" center TAP wire (TOP secondary)

\* SEE NOTE 3  
 CONNECT TO T1-14. IT MUST GO TO THE SAME WINDING THAT E3 FROM CARD IS ON.

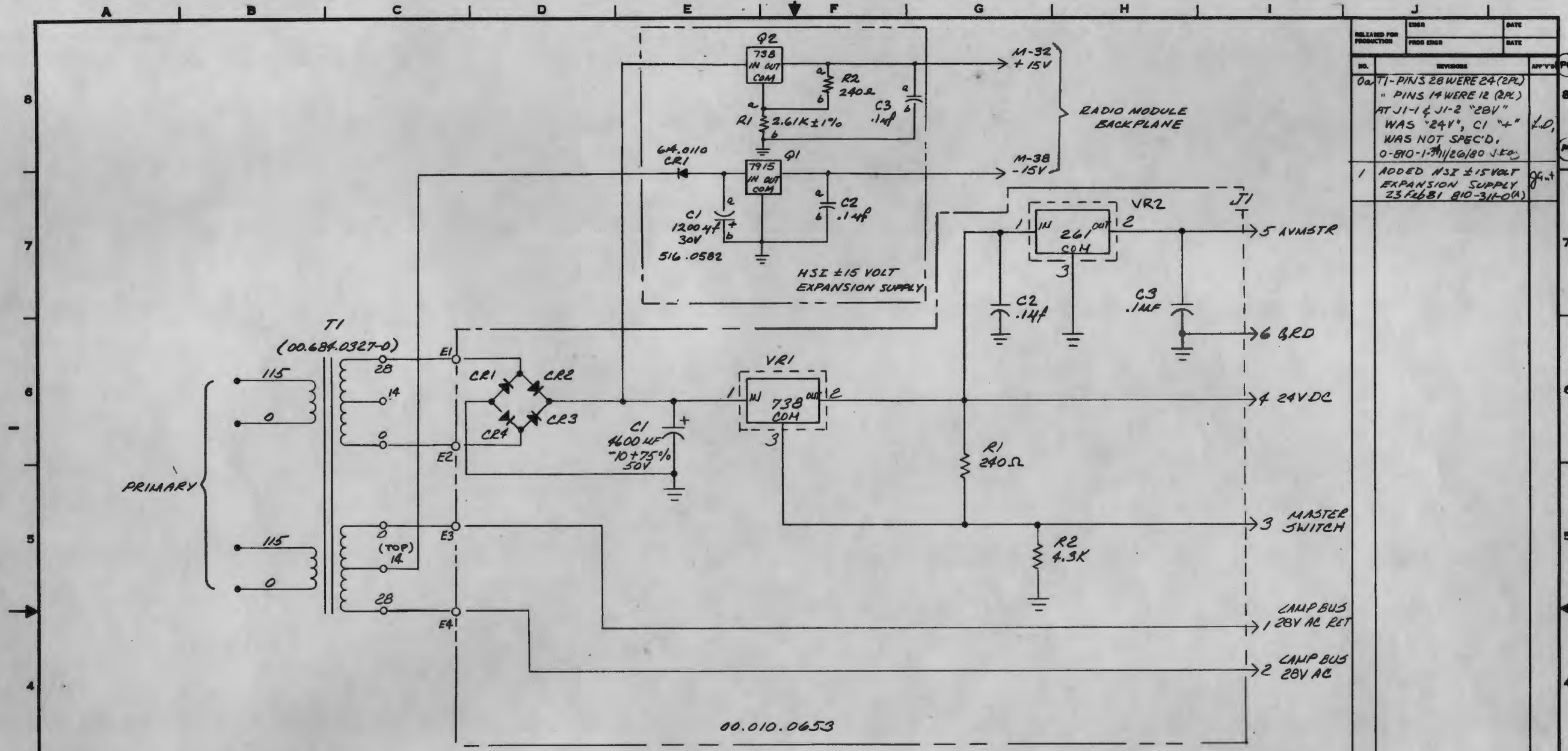
MAT'L:	FINISH:	SCALE:	DRAWN:	CHKD:	DSGN:
			T. Eskow		
DATE:	DATE:	DATE:	DATE:	DATE:	DATE:
DWG. NO. WAS:	REV. NO.:	REV. NO.:	REV. NO.:	REV. NO.:	REV. NO.:
DATE:	DATE:	DATE:	DATE:	DATE:	DATE:

PROJECT:	B00 010 0652 0A
SHEET 2 OF 6 SHEETS	

**EAI**  
 ELECTRONIC ASSOCIATES, INC. 2001 Long Beach, N.J.

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 CAPACITANCE IS IN  $\mu$ F  
 RESISTANCE IS IN OHMS  
 TOLERANCE OF: X =  $\pm 0.05$  XX =  $\pm 0.02$   
 .XXX =  $\pm 0.005$  L =  $\pm 1\%$   
 \*TOL. OF MATERIAL SUPPLIED

NO.	RELEASED FOR PRODUCTION:	ENGR.	DATE
0A	ADDED * NOTE		
15 APR 61 (810-311-1)			



NOTES:  
 1. UNLESS OTHERWISE SPECIFIED  
 a) RESISTORS ARE ±5%, 1/4W  
 b) CAPACITORS ARE ±20%, 50V  
 c) DIODES ARE 00.614.0110-0

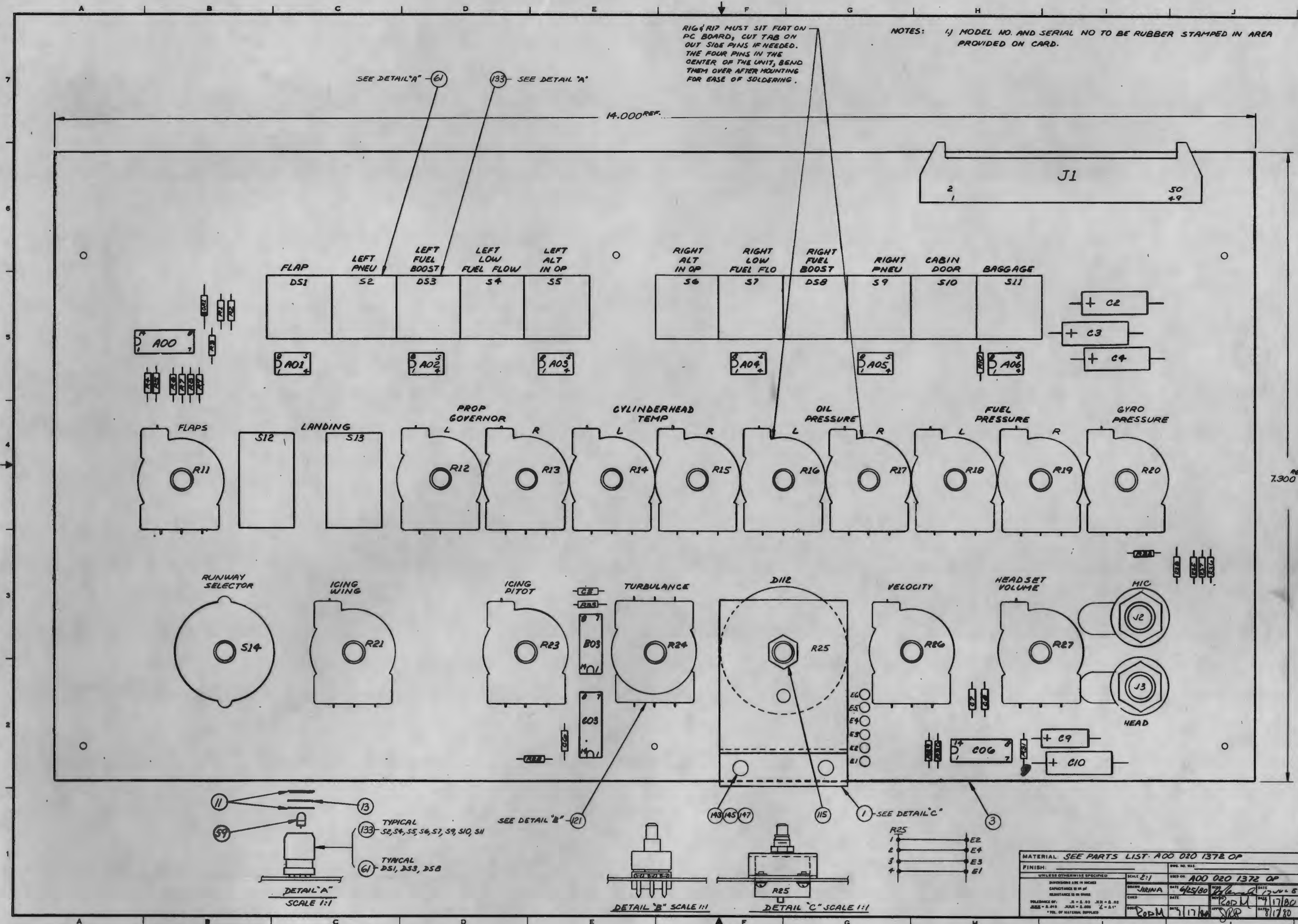
NO.	REVISIONS	APPROV'D	PC
0	T1-PINS 28 WERE 24 (2PL) " PINS 14 WERE 12 (2PL) AT J1-1 & J1-2 "28V" WAS "24V", C1 "+" WAS NOT SPEC'D. 0-810-1-31/26/80 J.K.		
1	ADDED NSZ ±15VOLT EXPANSION SUPPLY 2312681 810-311-0(A)		

EAI  
 ELECTRONIC ASSOCIATES, INC. For Long Beach, N.J.  
 SCHEMATIC  
 POWER SUPPLY 24V  
 (810)

MATERIAL: SEE PARTS LIST A00 010 0652 OP		SHT NO.	
FINISH:		SIZE	
UNLESS OTHERWISE SPECIFIED		USED ON: A00 010 0652 OP	
DIMENSIONS ARE IN INCHES		DATE: 7-7-80	DATE: 7-9-80
CAPACITANCE IS IN PF		DATE: 7-9-80	DATE: 7-9-80
RESISTANCE IS IN OHMS		DATE: 7-9-80	DATE: 7-9-80
TOLERANCE OF: JK = ±.03 JK = ±.08		PROJECT: C00 010 0652 05	
JKK = ±.015 JKK = ±.008 L = ±.1"		103585	
*TOL. OF MATERIAL SUPPLIED		SHEET 1 OF 1 SHEETS	





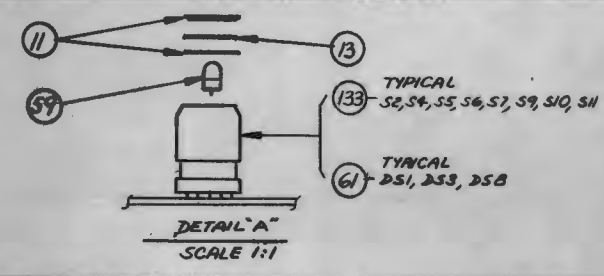


R16 & R17 MUST SIT FLAT ON PC BOARD, CUT TAB ON OUT SIDE PINS IF NEEDED. THE FOUR PINS IN THE CENTER OF THE UNIT, BEND THEM OVER AFTER MOUNTING FOR EASE OF SOLDERING.

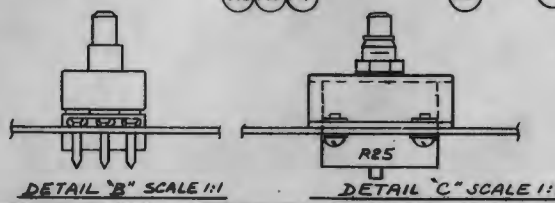
NOTES: 1) MODEL NO. AND SERIAL NO TO BE RUBBER STAMPED IN AREA PROVIDED ON CARD.

NO.	REVISIONS	DATE
1	AREA H-1, WIRING WAS NOT SPEC'D BNO-100-0 9/1/50 J.E.M.	
2	AREA B-9 - COPPER WAS GOING FROM C.W. SIDE OF R11 TO +12V AND TO R9, COPPER FROM R9 TO S12 & FROM C.W.-R11 TO -12V WAS NOT SPEC'D. AREA F-7 - NOTE REFERING TO R16 & R17 WAS NOT SPEC'D B10-142-1 10/31/50 J.E.M.	
3	COPPER FROM C.W. SIDE OF R28 TO -12V WAS GOING TO GND & C.W. SIDE OF R23 TO GND WAS GOING TO -12V B10-208-2 11/19/50 J.E.M.	
4	AREA I-2, ADDED COPPER TO ACCOMMODATE R34 & C11. B JAN 81 B10-275-0	
5	AREA J-3, ADDED R35, 36, 37, 38. AREA I-2, DELETED	

29 JUNE 81 B10-423 0



SEE DETAIL 'B' - 121



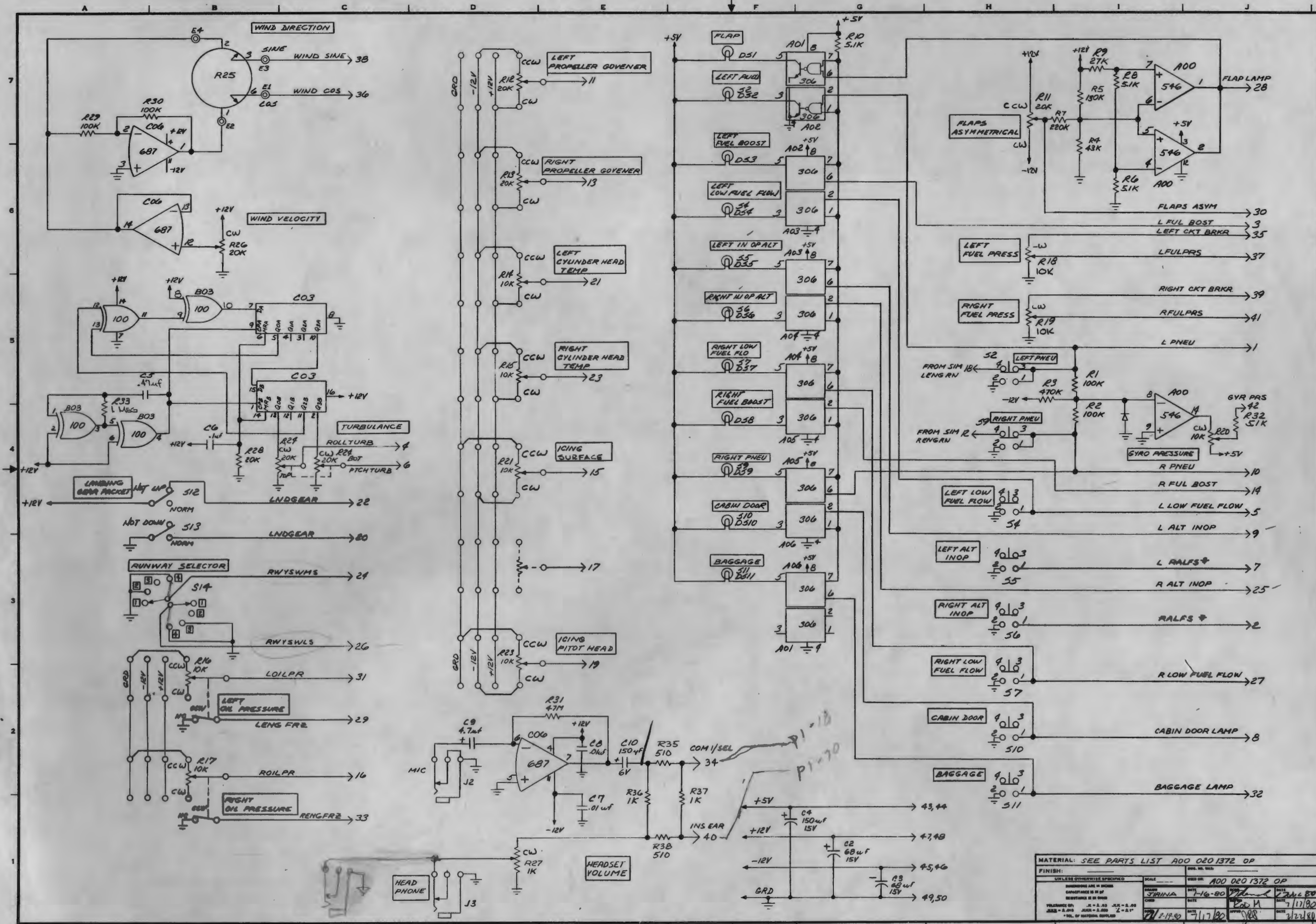
MATERIAL: SEE PARTS LIST A00 020 1372 OP

FINISH:	SCALE:	DATE:	REV. NO.:
UNLESS OTHERWISE SPECIFIED	2:1	4/25/80	5

DESIGNED BY: JIRMA  
 CHECKED BY: ROPM  
 DATE: 7/17/80

EAI ELECTRONIC ASSOCIATES, INC. (P.O. Box 2000, Ft. Worth, TX 76101)	
<b>ASSEMBLY FAULT CARD (810)</b>	
SHT NO.	SIZE
PROJECT: D00 020 1372 0A	REV. NO. 103585
SHEET 1 OF 1 SHEETS	





REV.	REVISION	DATE
LI	1-23-80	
Qa	JUMPERS FOR POT WERE NOT SHOWN ECO 080-1-15 7-23-80	
1	AREA 17-R547 WERE 180Ω. CCW SIDE OF R11 WAS GOING TO +12V. B10-192-0 10/30/80 J. King	
2	FIX JUMPER GOING TO R11, R5121 TO AGREE WITH CORNER. B11-CW WAS CONNECTED TO GRD. R11-CCW WAS CONNECTED TO -12V. B10-192-1 11-21-80	
2a	AREA 14-R82 WAS 18K. AREA D2-CONNECTION FROM CW SIDE OF R23 TO -12V WAS GOING TO GRD. CCW SIDE OF R23 TO GRD WAS GOING TO -12V. B10-203-0 11/14/80 J. King	
3	AREA J4-R32 WAS 501K. 0-810-1-49 12/24/80 J. King	
3	AREA D-E2. ADDED C11 & R34. 8 JAN 81 B10-275-0(A)	
4	AREA E-2. ADDED R35 THRU R37 DELETED C11, 100pf IN SERIES WITH R34 300K. FROM R37-CW TO C10-1. 29 JUNE 81 B10-423-0	
4a	FUNCTION DESIGNATIONS WERE NOT SPEC'D 0-810-190 10/16/81 J. King	

FINISH:	SCALE:	REV. NO. USED:	SHT NO.
UNLESS OTHERWISE SPECIFIED	AS SHOWN	ADD 020 1372 0P	
DESIGNER: STRINA	DATE: 1-16-80	DATE: 7/24/80	REV. NO.
CHECKER: [Signature]	DATE: [Signature]	DATE: 7/17/80	REV. NO.
DATE: 2-19-80	DATE: 7/17/82	DATE: 2/24/80	REV. NO.

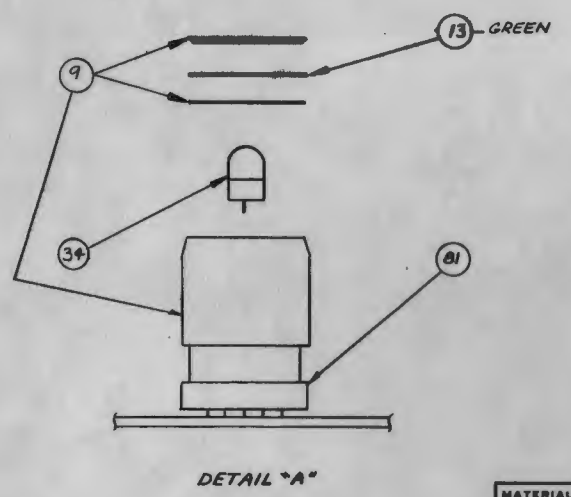
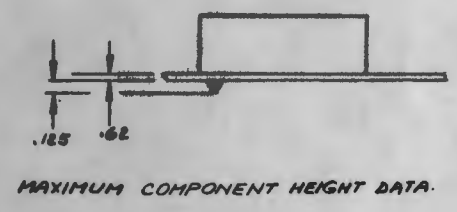
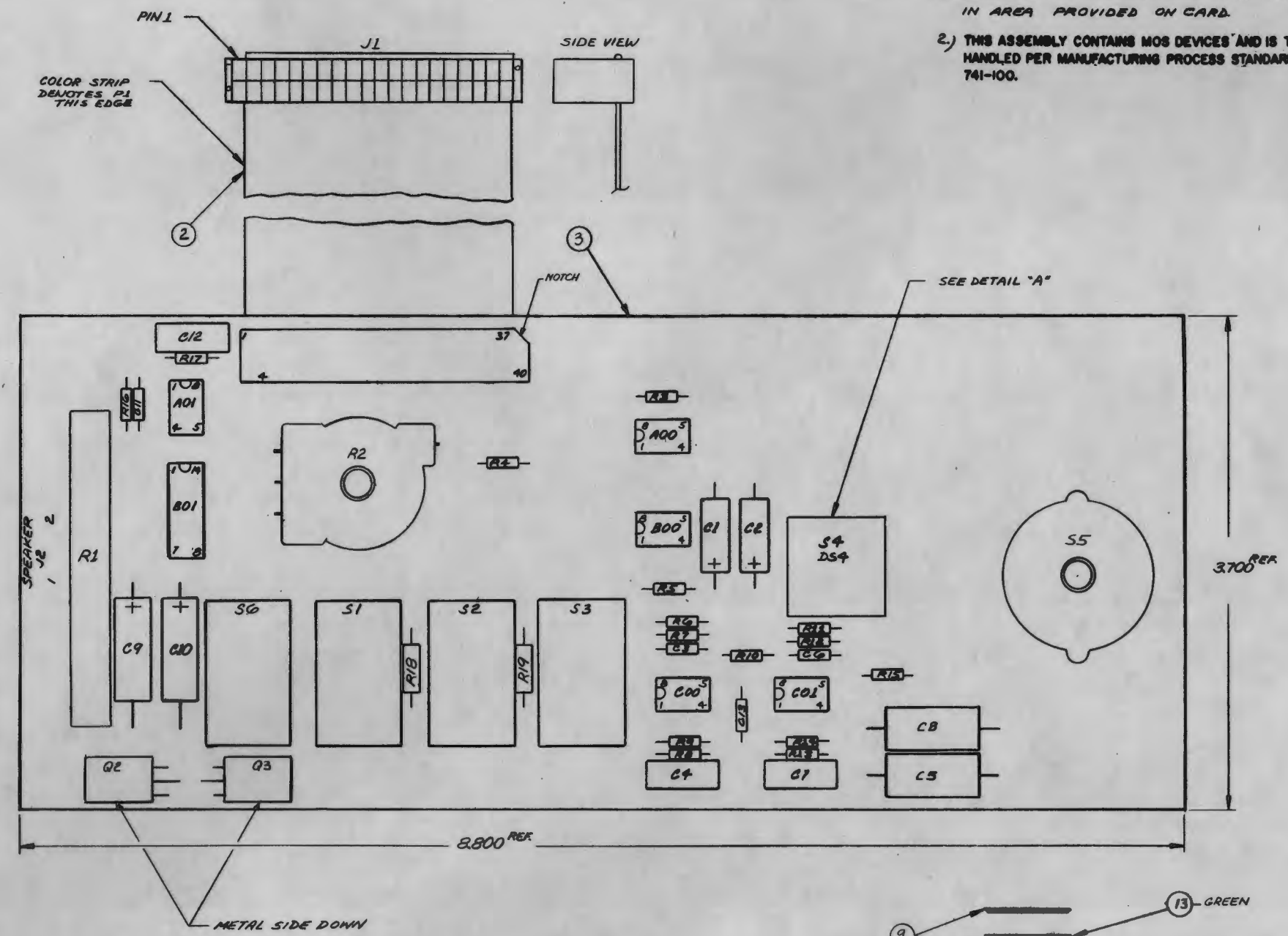
  

PRODUCT:	DATE:	SHEET 1 OF 1 SHEETS
103588	10/16/81	

A B C D E F G H I J K

NOTES:  
 1) MODEL NO. AND SERIAL NO. TO BE RUBBER STAMPED IN AREA PROVIDED ON CARD.  
 2) THIS ASSEMBLY CONTAINS MOS DEVICES AND IS TO BE HANDLED PER MANUFACTURING PROCESS STANDARD PROCEDURE 741-100.

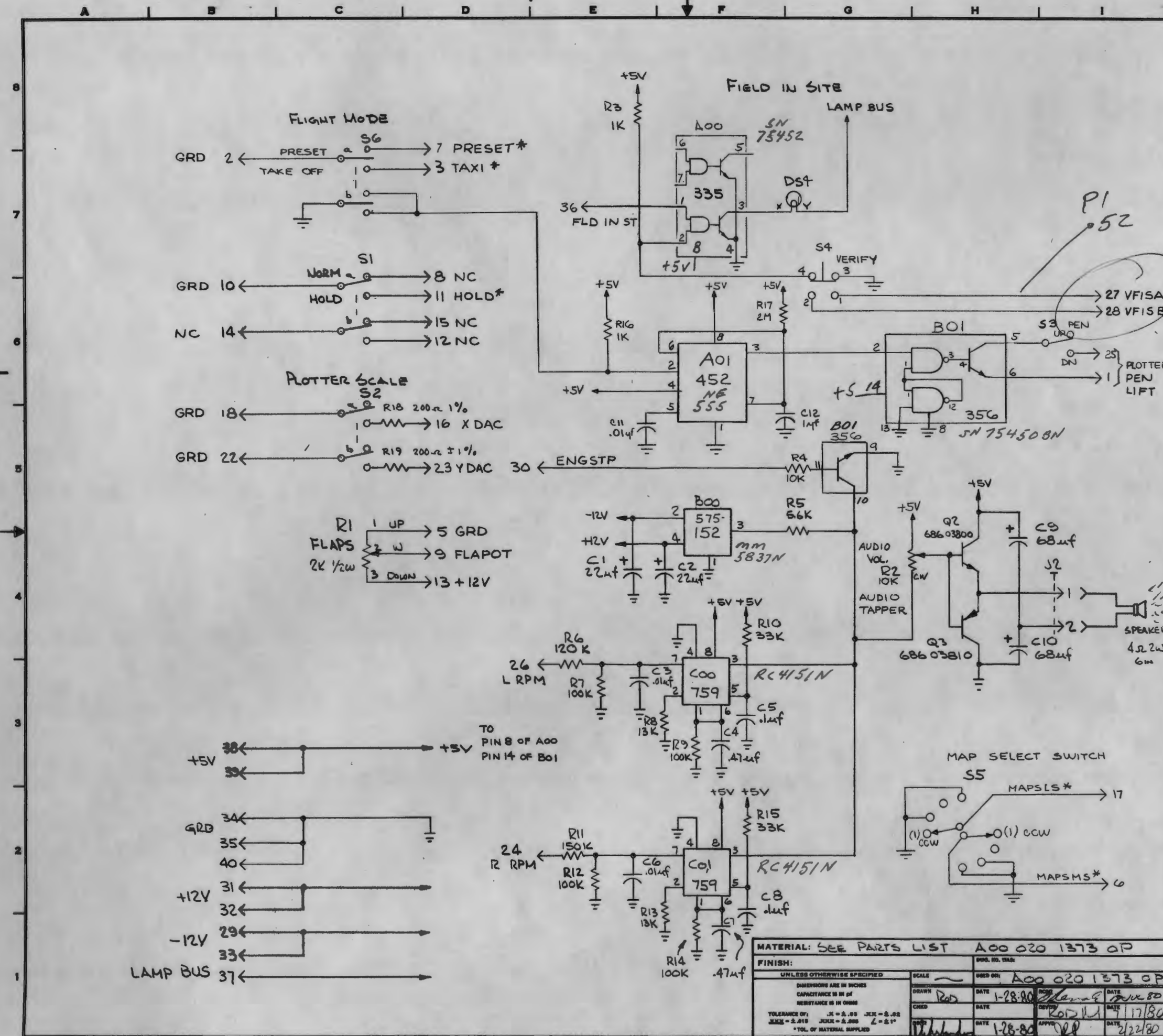
REV	REVISIONS	DATE
1	NOTE 2 WAS NOT SPEC'D. BIO-117-D 7/14/80 J.M.	
2	REVISED COPPER TO ACCOMMODATE CS & CB. 10-20-80 D.S.	
2a	AREA ES-NOTCH WAS NOT SPEC'D. 0-810-1-23 10/1/80 J.M.	
3	REVISED COPPER TO AGREE WITH ART WORK. 7/24/81 BIO-270-0 (A)	
4	REVISED COPPER TO ACCOMMODATE CS & CB. 9 FEB 81 BIO-299-0 (A)	



MATERIAL: SEE PARTS LIST: A00 020 1373 OP		SHT NO.	
FINISH:		SIZE	
SCALE: 2:1	USED ON: A00 020 1373 OP	REV. NO.	
DESIGNED BY: JIRINA	DATE: 6/24/80	PROJECT: 103503	D00 020 1373 OA
CHG: RODM	DATE: 7/17/80	DATE: 8/18/80	
SHEET 1 OF 1 SHEETS			

A B C D E F G H I J K





NO.	REVISION	DATE
L1	2-15-80	Rad
L2	7-1-80 1205	Rad
1	AREA F5 - B00 WAS 592 0765 0 B10-117-0 9/16/80 AREA G5 B01 WAS NOT SPECIFIED EGD 0810-18 10/1/80 D.S.	Jell
2	AREA C-5. R18, R19 WAS TO NC (UP) POS. OF S2. P1-19 WENT TO 52b NO. P1-20 WENT TO 52b NO. 7 JAN 81 B10-270-0(A)	Jell
2a	FUNCTION DESIGNATIONS WERE NOT SPEC'D 0-B10-140 10/16/81 J.Kay	Jell
2b	ADDED POLARITY TO Q1, C2, C9 & C10. INDICATED POWER PINS OF A00 & B01. 15 MAR 82 0-B10-164	Jell

**EAI**  
 ELECTRONIC ASSOCIATES, INC. 5701 Long Beach, B.J.

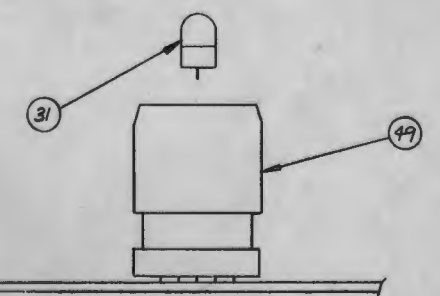
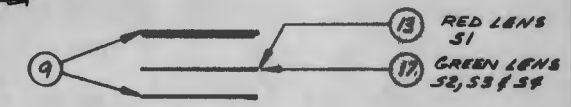
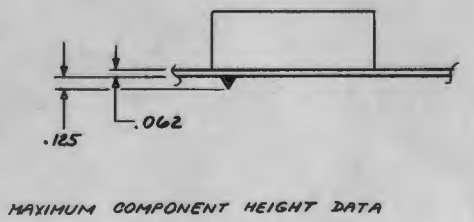
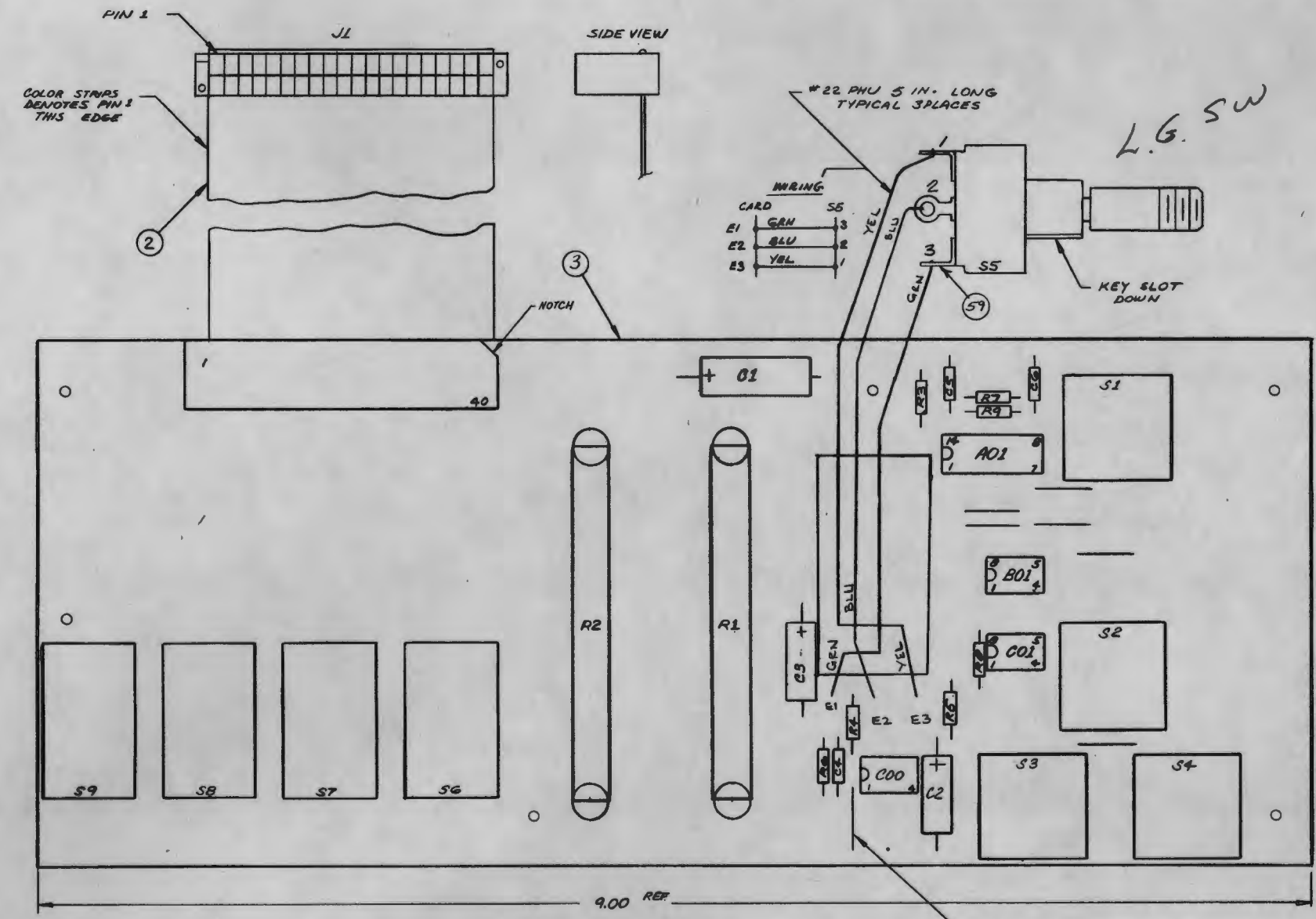
**SCHEMATIC CARD "A" (ATC-810)**

SHT NO.	1
SIZE	
REV. NO.	
PROJECT	C00 020 1373 05
SHEET	1 OF 1

**MATERIAL: SEE PARTS LIST A00 020 1373 0P**

FINISH:	UNLESS OTHERWISE SPECIFIED
SCALE:	AS SHOWN
USED ON:	A00 020 1373 0P
DATE:	1-28-80
DATE:	7/17/80
DATE:	2/22/80

NOTES:  
 1.) MODEL NO. AND SERIAL NO. TO BE RUBBER STAMPED IN AREA PROVIDED ON CARD.  
 2.) UNLESS OTHERWISE SPECIFIED ALL JUMPERS ARE #22 SD BUS.



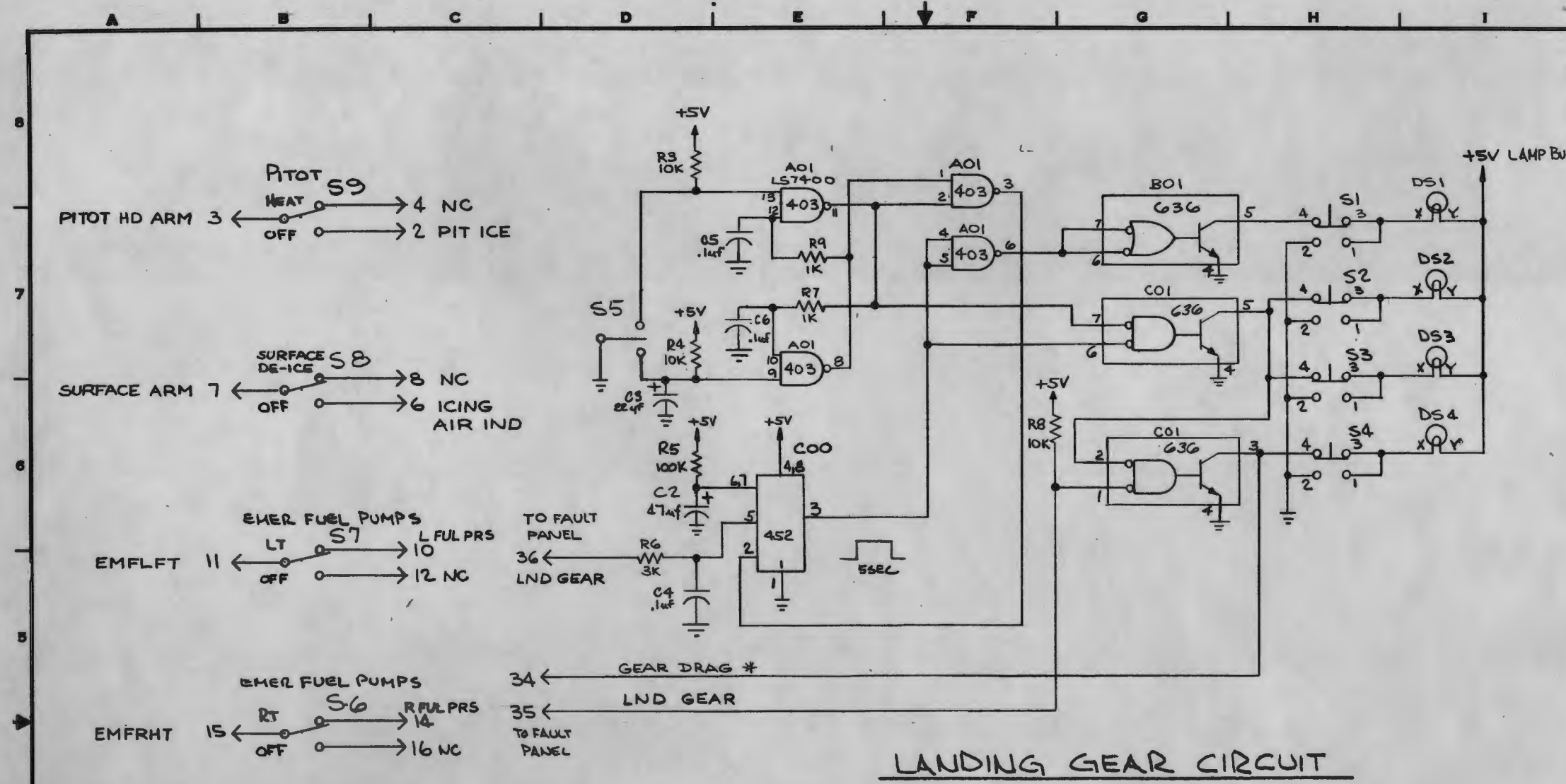
DETAIL "A"

MATERIAL: SEE PARTS LIST: A00 020 1374 0P		Dwg. No. 945		SHT NO.	
FINISH: UNLESS OTHERWISE SPECIFIED		SCALE: 2:1		DATE: 6/13/80	
DIMENSIONS ARE IN INCHES		DRAWN: VIRINA		DATE: 7/17/80	
CAPACITANCE IS IN P.F.		CHECKED: KARL		DATE: 8/17/80	
RESISTANCE IS IN OHMS		DATE: 7/17/80		PROJECT: D00 020 1374 0A	
TOLERANCE: .010		DATE: 7/17/80		PROJECT: 103585	
.015		DATE: 7/17/80		PROJECT: 103585	
.020		DATE: 7/17/80		PROJECT: 103585	
.030		DATE: 7/17/80		PROJECT: 103585	
.040		DATE: 7/17/80		PROJECT: 103585	
.050		DATE: 7/17/80		PROJECT: 103585	
.060		DATE: 7/17/80		PROJECT: 103585	
.070		DATE: 7/17/80		PROJECT: 103585	
.080		DATE: 7/17/80		PROJECT: 103585	
.090		DATE: 7/17/80		PROJECT: 103585	
.100		DATE: 7/17/80		PROJECT: 103585	
.110		DATE: 7/17/80		PROJECT: 103585	
.120		DATE: 7/17/80		PROJECT: 103585	
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.140		DATE: 7/17/80		PROJECT: 103585	
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.170		DATE: 7/17/80		PROJECT: 103585	
.180		DATE: 7/17/80		PROJECT: 103585	
.190		DATE: 7/17/80		PROJECT: 103585	
.200		DATE: 7/17/80		PROJECT: 103585	
.210		DATE: 7/17/80		PROJECT: 103585	
.220		DATE: 7/17/80		PROJECT: 103585	
.230		DATE: 7/17/80		PROJECT: 103585	
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.310		DATE: 7/17/80		PROJECT: 103585	
.320		DATE: 7/17/80		PROJECT: 103585	
.330		DATE: 7/17/80		PROJECT: 103585	
.340		DATE: 7/17/80		PROJECT: 103585	
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.360		DATE: 7/17/80		PROJECT: 103585	
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.380		DATE: 7/17/80		PROJECT: 103585	
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.400		DATE: 7/17/80		PROJECT: 103585	
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.420		DATE: 7/17/80		PROJECT: 103585	
.430		DATE: 7/17/80		PROJECT: 103585	
.440		DATE: 7/17/80		PROJECT: 103585	
.450		DATE: 7/17/80		PROJECT: 103585	
.460		DATE: 7/17/80		PROJECT: 103585	
.470		DATE: 7/17/80		PROJECT: 103585	
.480		DATE: 7/17/80		PROJECT: 103585	
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.500		DATE: 7/17/80		PROJECT: 103585	
.510		DATE: 7/17/80		PROJECT: 103585	
.520		DATE: 7/17/80		PROJECT: 103585	
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.560		DATE: 7/17/80		PROJECT: 103585	
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.710		DATE: 7/17/80		PROJECT: 103585	
.720		DATE: 7/17/80		PROJECT: 103585	
.730		DATE: 7/17/80		PROJECT: 103585	
.740		DATE: 7/17/80		PROJECT: 103585	
.750		DATE: 7/17/80		PROJECT: 103585	
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.800		DATE: 7/17/80		PROJECT: 103585	
.810		DATE: 7/17/80		PROJECT: 103585	
.820		DATE: 7/17/80		PROJECT: 103585	
.830		DATE: 7/17/80		PROJECT: 103585	
.840		DATE: 7/17/80		PROJECT: 103585	
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.970		DATE: 7/17/80		PROJECT: 103585	
.980		DATE: 7/17/80		PROJECT: 103585	
.990		DATE: 7/17/80		PROJECT: 103585	
1.000		DATE: 7/17/80		PROJECT: 103585	

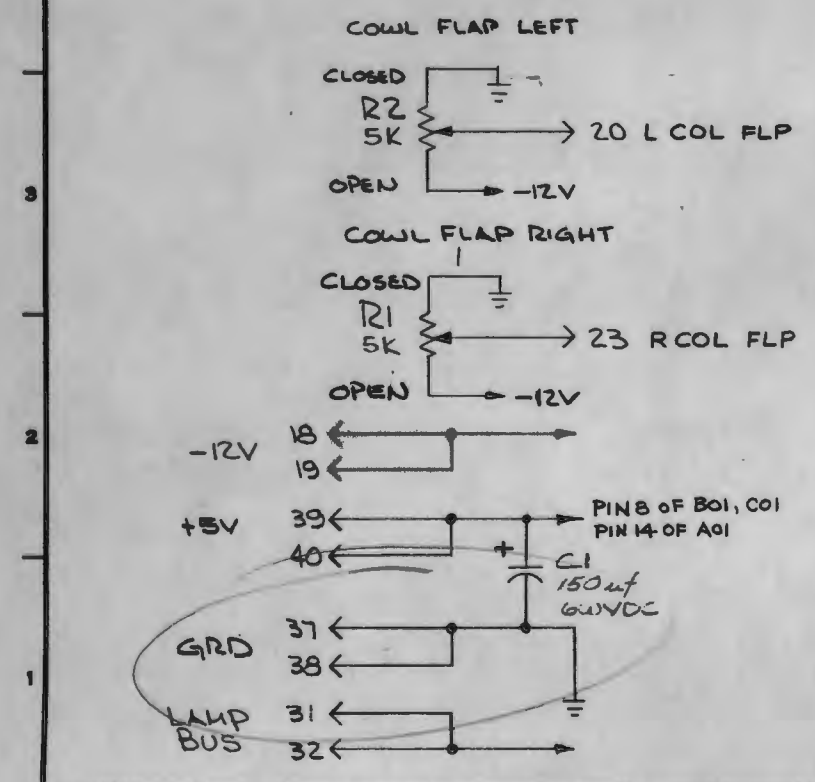
NO.	REVISIONS	DATE
1	IN AREA A-3 JUMPER WAS NOT SPECIFIED ECD# 810-088-0 10-13-80 D.S.	
1a	AREA E6 "NOTCH" WAS NOT SPEC'D 0-810-1-23 10/20/80 L.G.	
2	REVISED CUTOUT TO AGREE WITH MACHINING DWG. 7 JAN 81 810-246-0(A)	
2a	DELETED EXTRA JUMPER WAS LOCATED FROM LINE OF JUNCTION OF 2 JUMPERS (BETWEEN A01) 7/4 SPACE. 14 MAR 81 0810-1-71	
3	INCREASED SIZE OF CUTOUT, ENDED COPPER. SEE VOID REV 2A DWG COPY# 28 MAR 81 810-342-0	
3a	IN PICT WIRING, GRN & YEL WIRE COULES WERE INTERCHANGED 20 JULY 81 (Y10-342-0)	

EAI  
 ELECTRONIC ASSOCIATES INC. 700 Long Beach Blvd.  
 LONG BEACH, CALIF. 90801  
 ASSEMBLY  
 CONTROL CARD 10-TWIN  
 (B10)  
 MATERIAL: SEE PARTS LIST: A00 020 1374 0P  
 FINISH: UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 CAPACITANCE IS IN P.F.  
 RESISTANCE IS IN OHMS  
 TOLERANCE: .010  
 .015  
 .020  
 .030  
 .040  
 .050  
 .060  
 .070  
 .080  
 .090  
 .100  
 .110  
 .120  
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 .950  
 .960  
 .970  
 .980  
 .990  
 1.000





LANDING GEAR CIRCUIT



NO.	REVISIONS	DATE
L1	2-16-80	ROD
L2	R29 WAS NOT SPEC 2-20-80	ROD
1	AREA "B2" & "B3" -12V WAS +12V. (3 PLACES) 16 MAY 81 810-391-0	
10	FUNCTION DESIGNATIONS WERE NOT SPEC'D 0-810-140 10/16/81	J.D.
16	C4, S4 WERE SHOWN AS BEING POLARIZED C1 WAS SHOWN UNPOLARIZED (ELECTRO. CAP.) INDICATED POWER PINS OF AOI, BOI & COI. 15 MAR 82 0-810-165	J.D.

MATERIAL: SEE PARTS LIST ADD 020 1374 OP

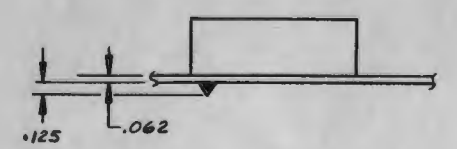
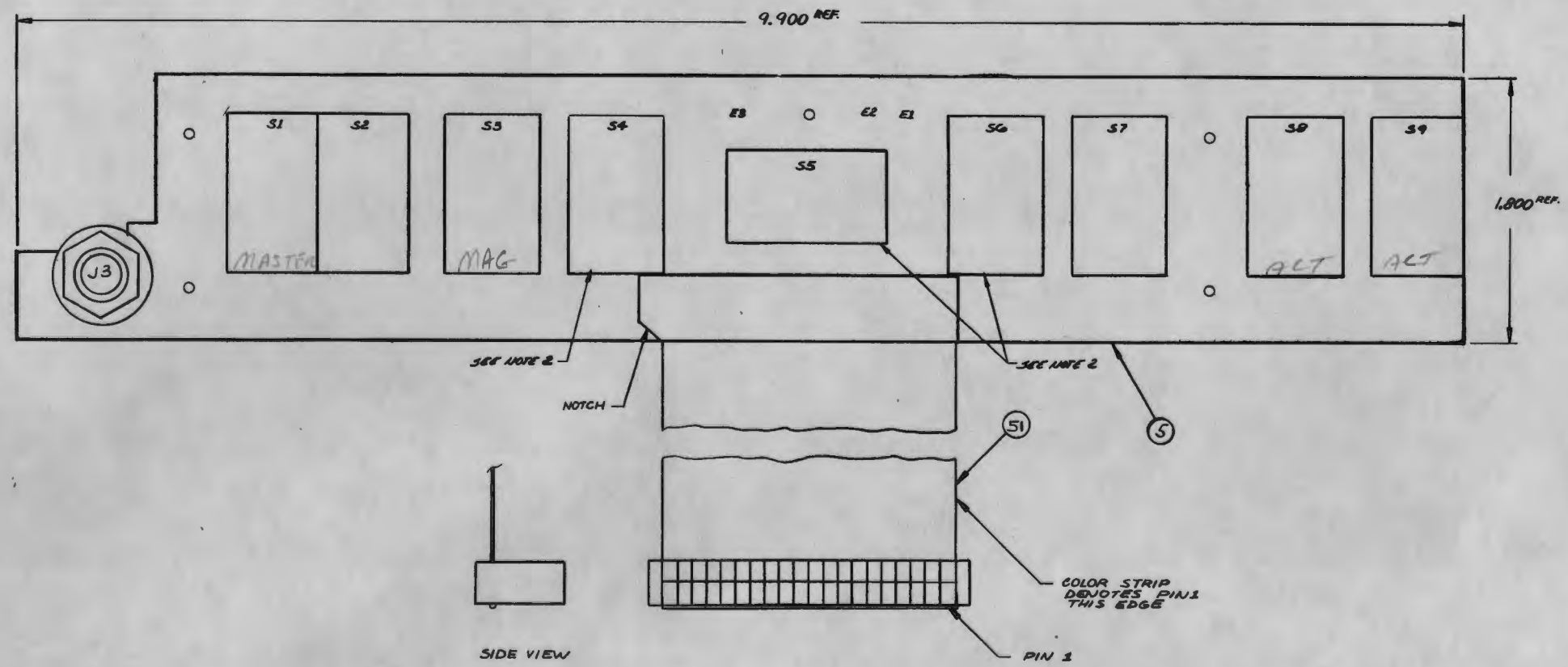
FINISH:	SCALE:	DRG. NO. WAS:
UNLESS OTHERWISE SPECIFIED	SCALE:	USED ON: A00 020 1374 OP
DIMENSIONS ARE IN INCHES	DATE: 1-29-80	DATE: 7/17/80
CAPACITANCE IS IN pF	CHKD: ROD M	DATE: 7/17/80
RESISTANCE IS IN OHMS	DATE: 1-29-80	DATE: 7/22/80
TOLERANCE OF: .X = ±.03 .XK = ±.08	DRG: ROD M	DATE: 7/22/80
.XKX = ±.015 .XKXK = ±.008 L = ±.1"	DATE: 1-29-80	DATE: 7/22/80
*TOL. OF MATERIAL SUPPLIED		

EAI ELECTRONIC ASSOCIATES, INC. One Long Beach, CA	
SCHEMATIC CARD B (ATC-810)	
SHT NO.	1
SIZE	
REV. NO.	
PROJECT	C00 020 1374 05
SHEET / OF / SHEETS	

A B C D E F G H I J K

NOTES: 1) MODEL NO. AND SERIAL NO. TO BE RUBBER STAMPED IN AREA PROVIDED ON CARD.  
 2) S4, S5 & S6 TO BE MOUNTED AND HAND SOLDERED AFTER THE RIBBON CABLE IS ASSEMBLED.

REVISED FOR	ENGR	DATE
PRODUCTION	PROD ENGR	DATE
NO.	REVISIONS	APP'D
01	NOTE 2 WAS NOT SPEC. EOP# 0810-1-6 3/80 DK	010
02	AREA E4 - "NOTCH" WAS NOT SPEC'D. 0-810-1-23 10/11/80 J. E.M.	015
03	AREA C-4: NOTCHED CORNER TO AGREE WITH CARD DETAIL CHGE. (A) 30 JUL 81 810-902-0	019



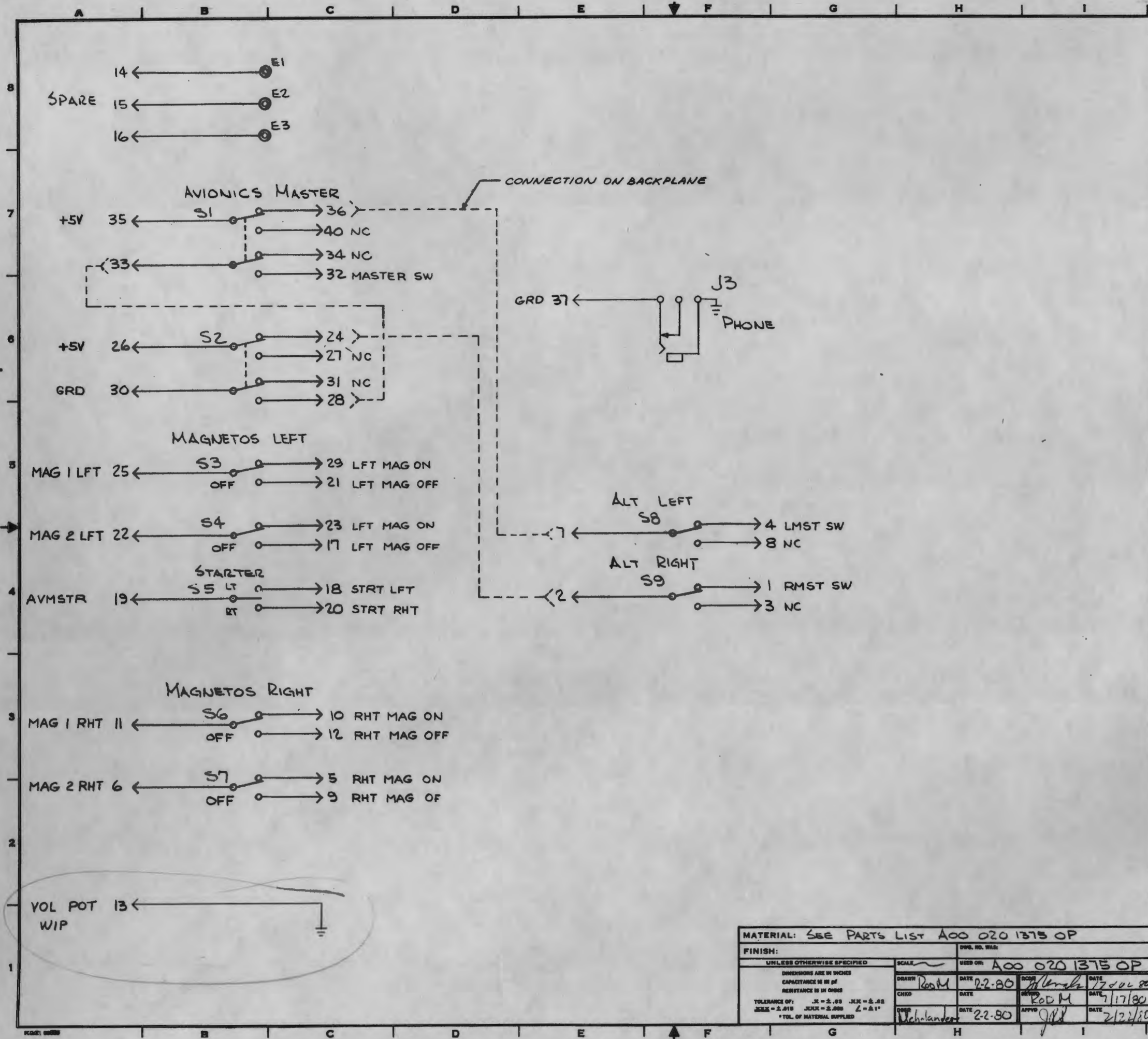
MAXIMUM COMPONENT HEIGHT DATA

A B C D E F G H I J K

FINISH: UNLESS OTHERWISE SPECIFIED				SCALE	SIZE	SHT NO.
DIMENSIONS ARE IN INCHES				2:1	A00 020 1375 OP	
TOLERANCES ARE IN INCHES						
DIMENSIONS TO BE SHOWN						
TOLERANCE OF: .125 - .001 .125 - .001 .125 - .001						
TOL. OF MATERIAL SUPPLIED						
DESIGNER	DATE	APP'D	DATE	ENGR	DATE	PROJECT
VIRINA	6/19/80	Rad M	7/17/80	Rad M	8/17/80	103585
MATERIAL: SEE PARTS LIST: A00 020 1375 OP						D00 020 1375 0A
EAI ELECTRONIC ASSOCIATES INC. 2101 Long Beach Dr.						SHEET 1 OF 1 SHEETS

ASSEMBLY CONTROL CARD "C" (TWIN) (810)





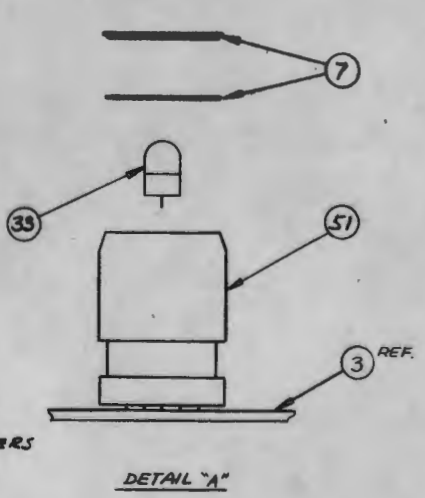
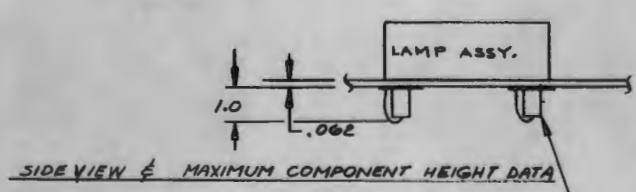
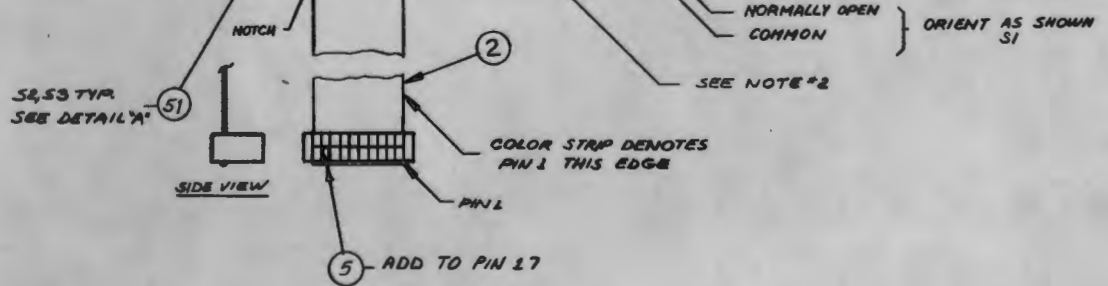
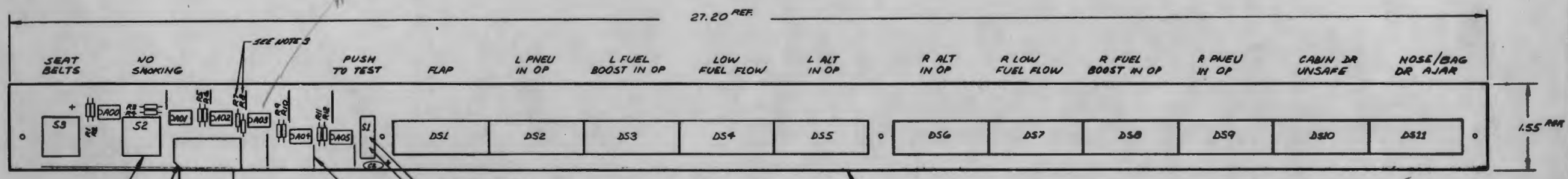
RELEASED FOR PRODUCTION	ISSUE	DATE
NO.	REVISIONS	APPROVED
L1	2-16-80	Rod M PC
0a	FUNCTION DESIGNATIONS WERE NOT SPEC'D 0-810-140 10/16/81 L.E.g.	J.S. PC

<b>EAI</b> ELECTRONIC ASSOCIATES, INC. Flat Top Drive, N.J.	
SCHEMATIC CARD "C" (ATC-810)	
MATERIAL: SEE PARTS LIST A00 020 1375 OP	SHT NO. 1
FINISH: UNLESS OTHERWISE SPECIFIED	SIZE
DIMENSIONS ARE IN INCHES CAPACITANCE IS IN pF RESISTANCE IS IN OHMS	REV. NO.
TOLERANCE OF: .X = ±.03 .XK = ±.03 .XKX = ±.03 .XKX = ±.015 .XKXK = ±.008 L = ±.1"	PROJECT 63585
*TOL. OF MATERIAL SUPPLIED	SHEET 1 OF 1 SHEETS

SCALE: A00 020 1375 OP	DATE: 2-2-80	DATE: 7/17/80
DRAWN: Rod M	DATE: 2-2-80	DATE: 2/24/80
CHECK: [Signature]	DATE: 2-2-80	DATE: 2/24/80

- NOTES:
- 1) MODEL NO. AND SERIAL NO. TO BE RUBBER STAMPED IN AREA PROVIDED ON CARD.
  - 2) UNLESS OTHERWISE SPECIFIED ALL JUMPERS ARE #22 SD. BUS.
  - 3) RT & LB TO BE MOUNTED & HAND SOLDERED AFTER THE RIBBON CABLE IS ASSEMBLED.

NO.	REVISIONS	DATE
01	NOTE 3 WAS NOT SPEC. COMP 0810-17 81480 J.C.	10/0
02	AREA B4 - NOTCH WAS NOT SPEC'D. 0-810-1-25 14340 JEM	10/0
03	ORIENTATION ON S1 WAS NOT SPEC'D. 0-810-1-37 14340 JEM	10/0
04	POLARITY OF L1 & L2 WAS NOT SPEC'D. 0-810-1-39 14340 JEM	10/0
05	AREA F3 - ITEM 33 WAS 31. 010-245-0 1-5-61 14340 JEM	10/0
06	AREA B5. ADDED KEYING PINS. ITEM 5. STAND BY - 810-0 (A)	10/0
07	MAX COMP HEIGHT DATA. 1.0 WAS 34. ADDED ITEM 4 WITH ASSOC NOTE. SERIAL 14340	10/0
08	AREA A-5. DELETED C1 SHOWN THUS:	10/0



DO NOT SOLDER LAMP ASSY. TO CARD - INSTALL FASTON JUMPERS TO TERMS. OF LAMP ASSY. - FLUSH SOLDER WIRE TO COPPER PAD WHICH TERM. PASSES THRU.

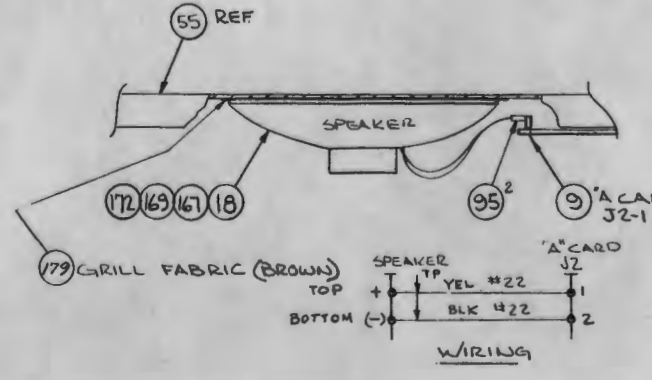
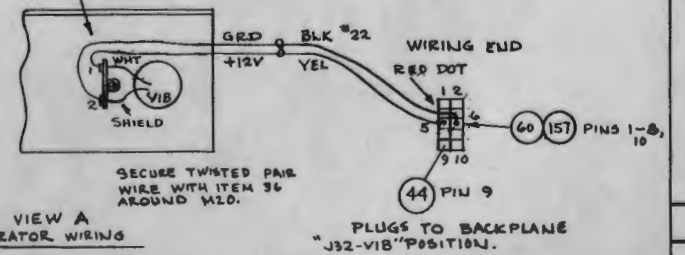
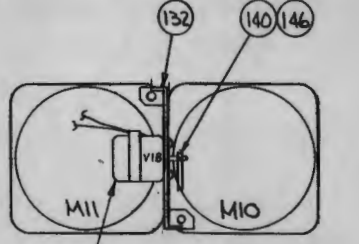
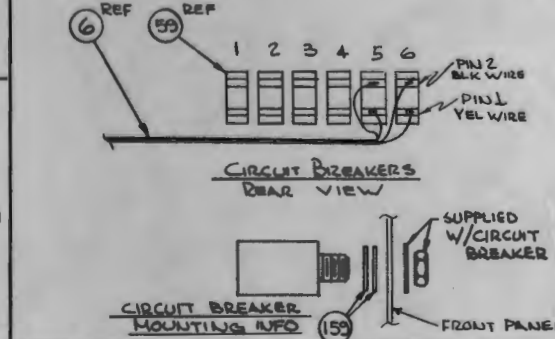
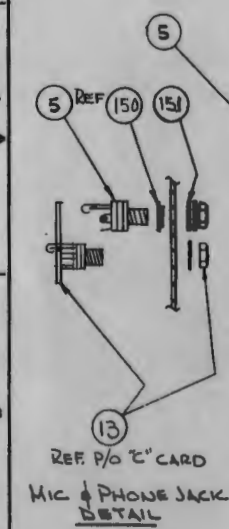
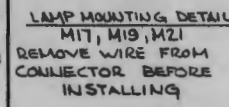
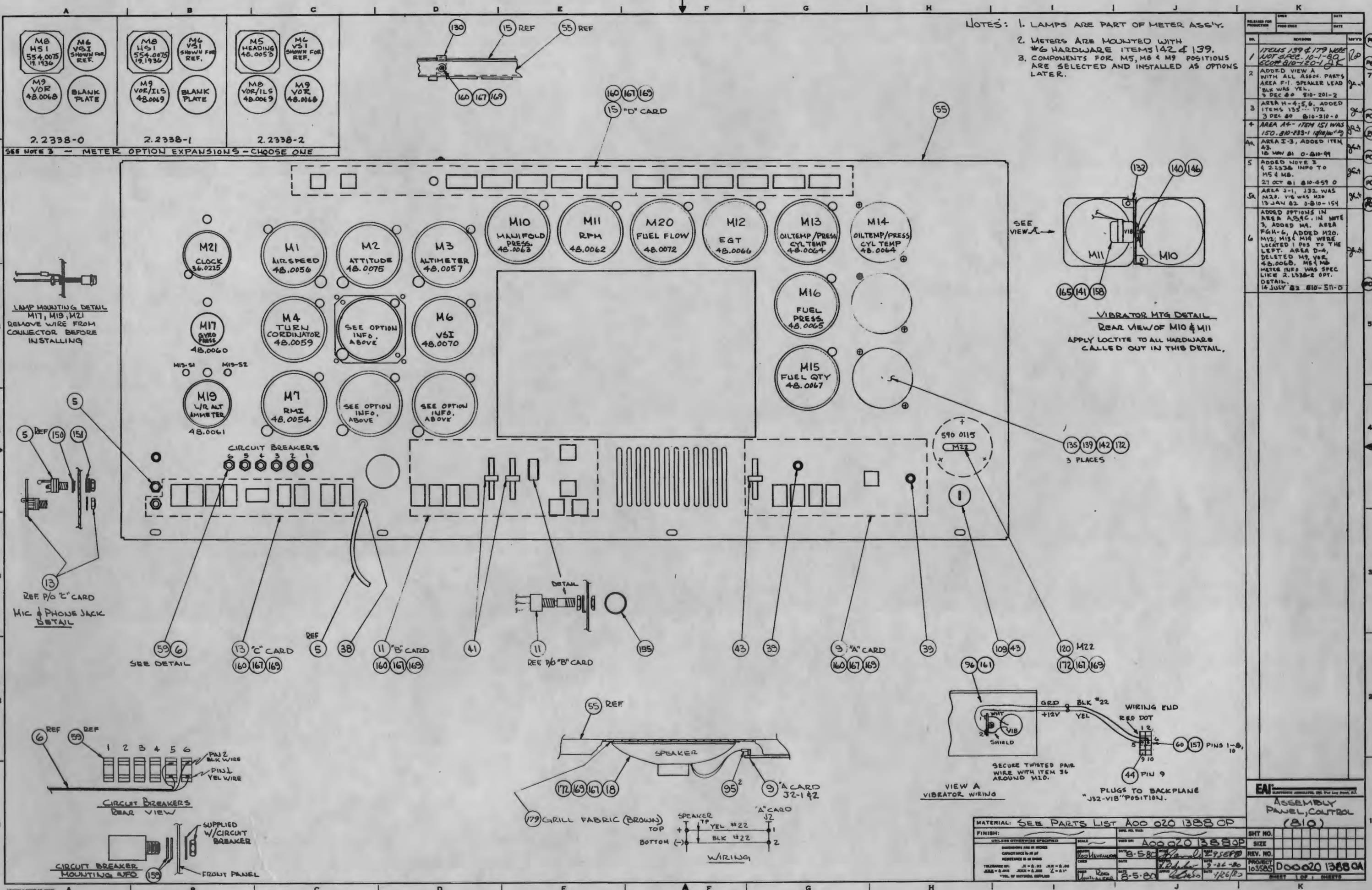
MATERIAL: SEE PARTS LIST: ADD 020 1376 OP		SHT NO.	
FINISH:		SIZE	
UNLESS OTHERWISE SPECIFIED	SCALE 1:1	USED ON	ADD 020 1376 OP
DRAWN	DATE	DATE	DATE
JIRINA	6/19/80	7/17/80	7/17/80
CHECKED	DATE	DATE	DATE
RODM	7/17/80	7/17/80	7/17/80
PROJECT	103585	PROJECT	D 00 020 1376 OA
SHEET 1 OF 1 SHEETS			

EAI ELECTRONIC ASSOCIATES, INC. 9101 Lee Road, P.O. Box 1000, Houston, Texas 77036

ASSEMBLY CONTROL CARD 'B' (TWIN) (810)



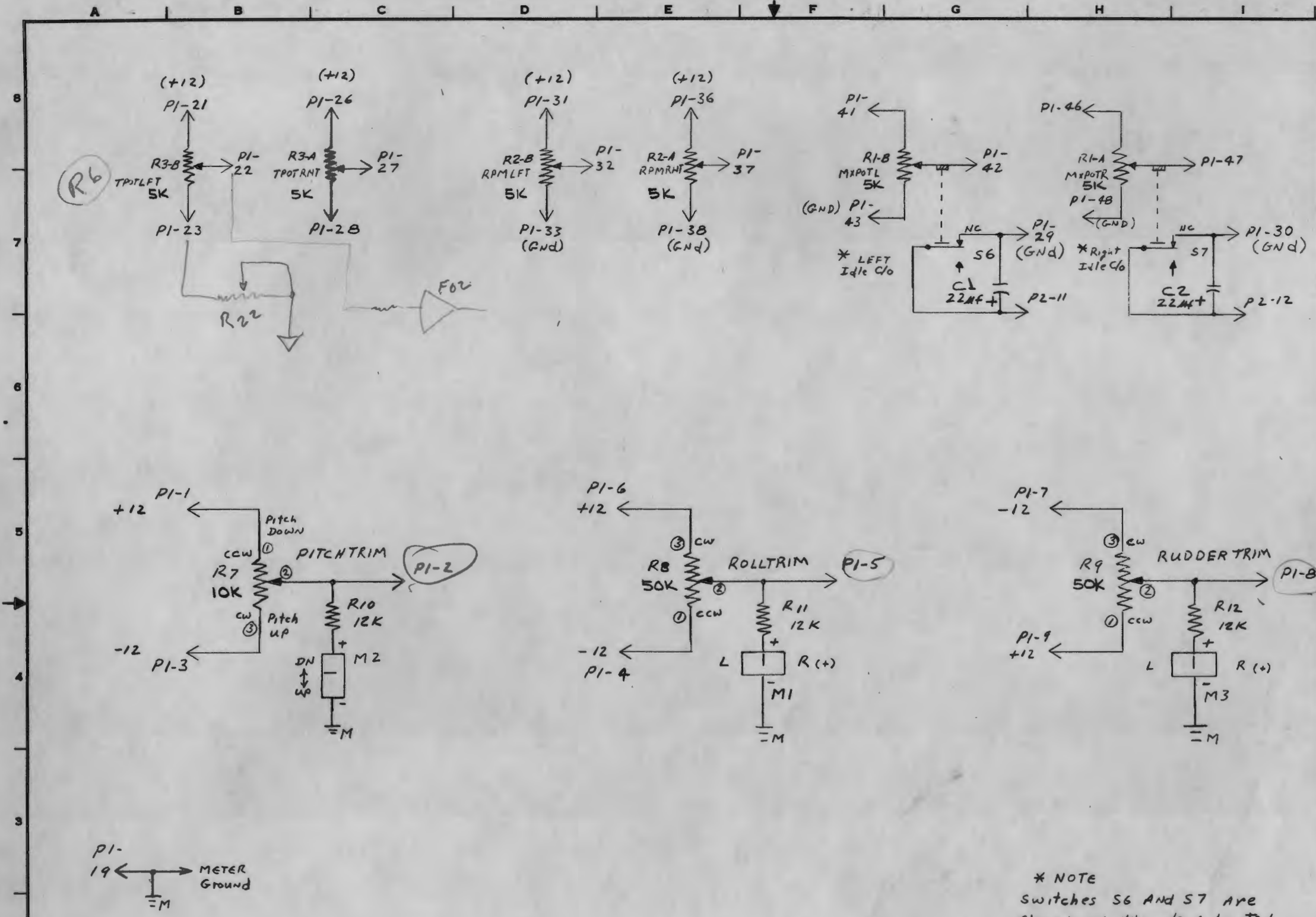




NO.	REVISION	BY	DATE
1	ITEMS 139 & 179 WERE NOT SPEC. 10-1-80. SCOTT 810-20-1 JK	JK	10-1-80
2	ADDED VIEW A WITH ALL ASSOC. PARTS AREA F-1. SPEAKER LEAD TIE WAS YEL. 3 DEC 80 810-20-2	JK	12-3-80
3	AREA H-4, 5, 6, ADDED ITEMS 135, 172. 3 DEC 80 810-210-0	JK	12-3-80
4	AREA A-7 ITEM 151 WAS 150. 810-233-1 1810/10/80	JK	1-18-81
5	AREA I-3, ADDED ITEM 43. 16 MAR 81 0-810-99	JK	3-16-81
5A	ADDED NOTE 3 & 2.1338 INPO TO M5 & M8. 27 OCT 81 810-459 0	JK	10-27-81
6	AREA J-11, 132 WAS M32. VIB WAS M20. 13 JAN 82 0-810-154	JK	1-13-82
6A	ADDED OPTIONS IN AREA A-9, C. IN NOTE 3, ADDED M9. AREA F-4-6, ADDED M20. M12, M13, M14 WERE LOCATED 1 POS TO THE LEFT. AREA D-4, DELETED M9, VOR 48,0068. M5 & M8 METER INFO WAS SPEC LIKE 2.1338-2 OPT. DETAIL. 14 JULY 82 810-511-0	JK	7-14-82







\* NOTE  
Switches S6 AND S7 Are  
Shown IN the de-Activated  
Position - Switches Are  
Activated when Mixture  
controls Are IN the Full  
Aft-Position.

RELEASED FOR PRODUCTION	DATE	REVISIONS	APPROVED
		NO. 01	
		02	
		03	
		04	
		05	
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EAI ELECTRONIC ASSOCIATES, INC. Fort Lee, N.J.

SCHMATIC  
TWIN POWER QUAD.  
(ATC 810)

SHT NO.	2
SIZE	C
REV. NO.	0
PROJECT	103589 C00020138905
SHEET	1 OF 2 SHEETS

MATERIALS SEE PARTS LIST A00 020 1389 0P

FINISH:	SCALE:	USED ON:	A00 020 1389 0P
UNLESS OTHERWISE SPECIFIED			
DIMENSIONS ARE IN INCHES			
CAPACITANCE IS IN PF			
RESISTANCE IS IN OHMS			
TOLERANCE OF: .XX = ±.03 .XK = ±.05 .XKX = ±.08 .XKXK = ±.000 L = ±.1"			
*TOL. OF MATERIAL SUPPLIED			

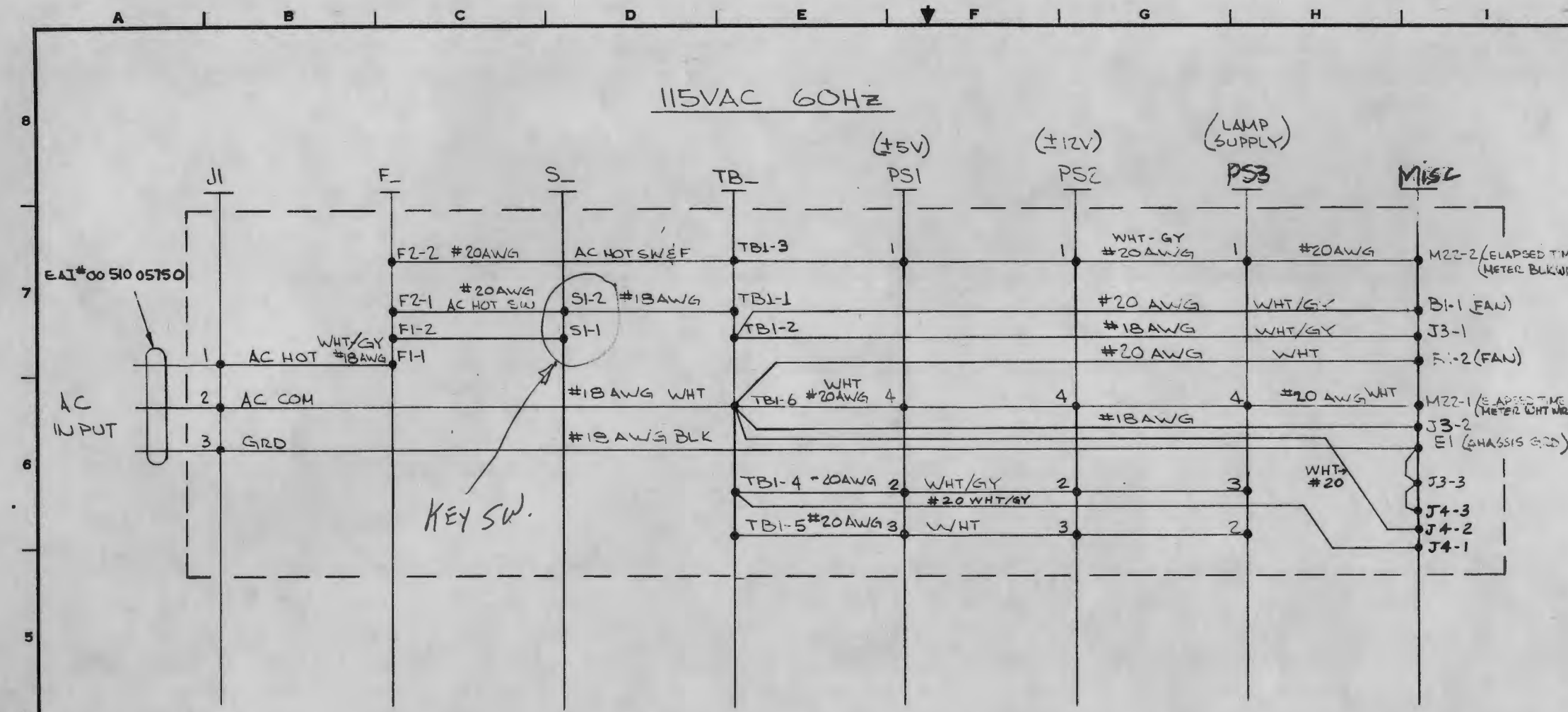








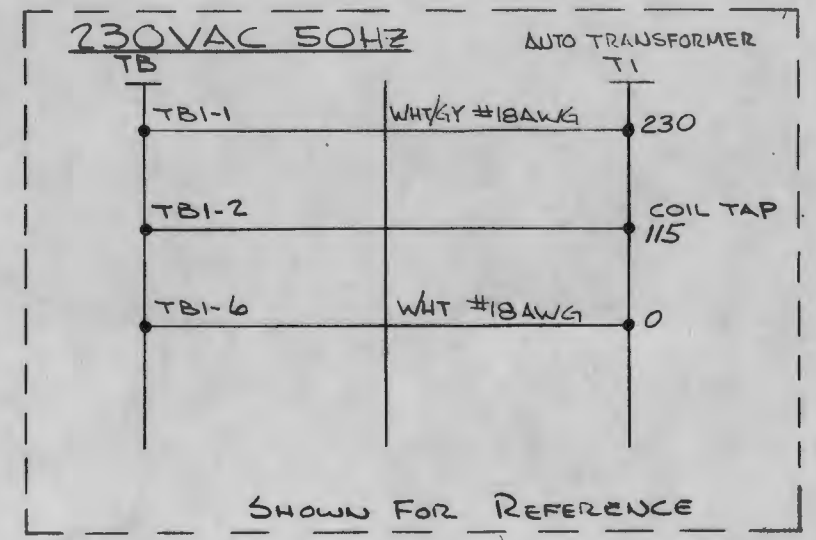




TBI JUMPERS

115VAC 60HZ JUMPER 1 TO 2  
 JUMPER 3 TO 4  
 JUMPER 5 TO 6

230VAC 50HZ JUMPER 4 TO 5



115VAC 60HZ

(±5V) (±12V) (LAMP SUPPLY)

RELEASED FOR PRODUCTION	ENGR	DATE
NO.	REVISIONS	APPR'D
1	AREA E7, REMOVED WIRE FROM TBI-3 TO BI-1, WIRE FROM TBI-2 TO BI-1 WAS NOT SPEC'D. 310-099-0 9/2/80	40
2	AREA 64 - DES 311701 ON TI (230, 115 & 0) WERE NOT SPEC'D. 0-810-143 11/11/80	
3	ADDED JUMPER FROM J3-3 TO J4-3. ADDED CONN FROM J4-2 TO TBI-6. ADDED CONN FROM J4-1 TO TBI-4. 17MAR81 810-321-0	
39	REVERSED TERMS PSI-2 & -3. REVERSED TERMS PS2-2 & -3. 11 Apr 81 810-331-0	
	PS2-1 LINE, ADDED WHT-GY COLOR 21 DEC 82 0-810-179	

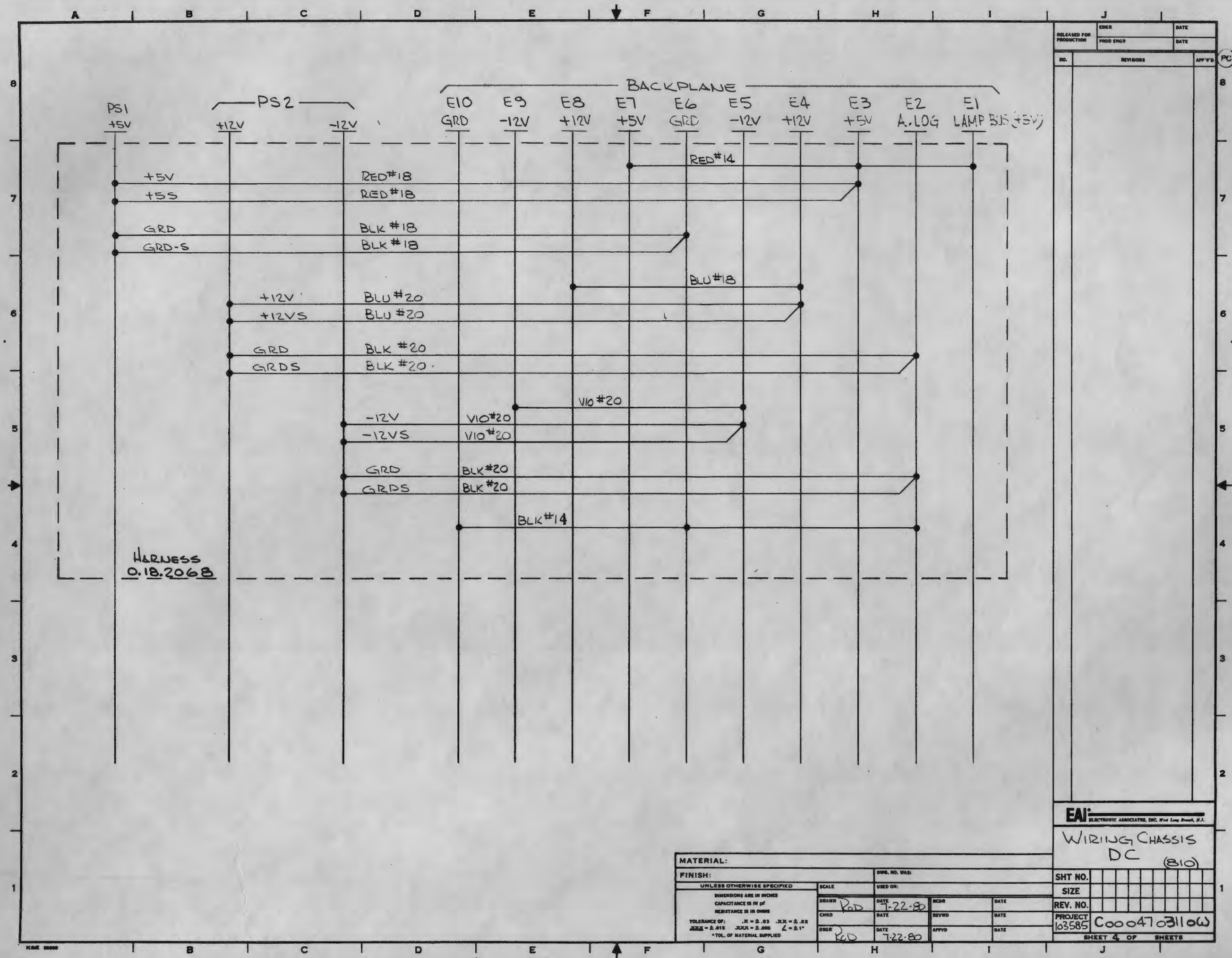
EAI  
 ELECTRONIC ASSOCIATES, INC. West Long Beach, S.F.

WIRING CHASSIS  
 AC (810)

SHT NO.	
SIZE	
REV. NO.	
PROJECT	C0004703110W
SHEET 3 OF SHEETS	

MATERIAL:		DWS. NO. WAS:	
FINISH:		USED ON:	
UNLESS OTHERWISE SPECIFIED		SCALE	DATE
DIMENSIONS ARE IN INCHES		DATE	DATE
CAPACITANCE IS IN pF		CHKD	REVD
RESISTANCE IS IN OHMS		DATE	DATE
TOLERANCE OF: .X = ±.03 .XX = ±.02		DATE	DATE
.XXX = ±.005 .L = ±.1"		DATE	DATE
*TOL. OF MATERIAL SUPPLIED		DATE	DATE





RELEASED FOR PRODUCTION	ENGR	DATE
	PROD ENGR	DATE
NO.	REVISIONS	APP'D
		PC

**EAI**  
ELECTRONIC ASSOCIATES, INC. 100 Long Beach, B.C.

**WIRING CHASSIS DC (810)**

SHT NO.	
SIZE	
REV. NO.	
PROJECT	C0004703110W
SHEET 4 OF SHEETS	

**MATERIAL:**

**FINISH:**

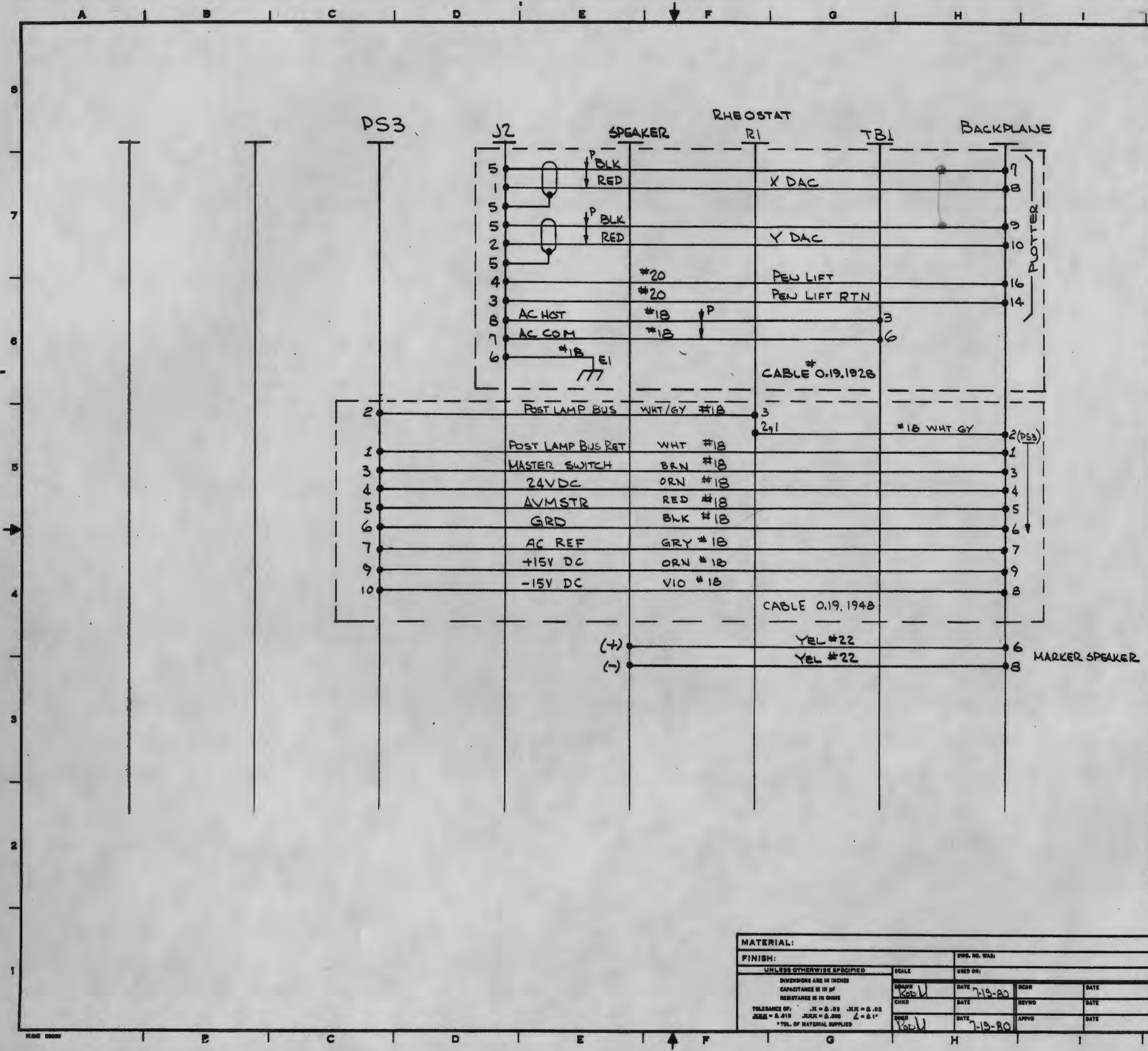
UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES  
CAPACITANCE IS IN pF  
RESISTANCE IS IN OHMS

TOLERANCE OF: .X = ±.03 .XX = ±.02  
XXX = ±.015 .XKX = ±.008 L = ±.1"

\*TOL. OF MATERIAL SUPPLIED

SCALE	USED ON:
DRAWN Rod	DATE 7-22-80
CHKD	DATE
ISSR Rod	DATE 7-22-80
DATE	DATE
DATE	DATE



RELEASED FOR PRODUCTION	DRGR	DATE
NO.	REVISIONS	APPRD
0a	TBI WAS NOT SHOWN PIWS 3 & 6 WERE OLD R1-LINE 12-2-80 ECO 810-1-33 Rod	PC
1	AREA FS- R1- PIN 3 WAS PIN 1 & PIN 2, 1 WAS PIN 2, 3. 10/1/81 810-257-0 5/1/81	PC
2	AREA C-5 & H-5 INTERCHANGED PIN NOS PS3-1 & 2. 10 FEB 81 810-302-0 (A)	PC
3	CABLE 19.1948 WAS 19.1927 ADDED PS3-7, 9, 10 LEADS 1 MAY 81 810-309-1	PC
4	BACKPLANE PS3-8 WAS PS3-10 19 JUNE 81 810-408-0	PC
5	J2-4 WAS J2-3. J2-3 WAS J2-4. ADDED "RTN" TO CONN ON J2-3. 8 JUL 81 810-280-1	PC

<b>EAI</b> ELECTRONIC ASSOCIATES, INC. One Long Beach, N.J.	
WIRING CHASSIS (810)	
SHT NO.	1
SIZE	
REV. NO.	
PROJECT	C0004703110W
SHEET 5 OF SHEETS	

<b>MATERIAL:</b>		DWS. NO. WAS:	
FINISH:		USED ON:	
UNLESS OTHERWISE SPECIFIED		SCALE	DATE
DIMENSIONS ARE IN INCHES		DRGR	DATE
CAPACITANCE IS IN pF		CHKD	DATE
RESISTANCE IS IN OHMS		DRGR	DATE
TOLERANCE OF: .X = ±.03 .X.X = ±.02		DRGR	DATE
.X.XX = ±.015 .X.XX.X = ±.005		DRGR	DATE
*TOL. OF MATERIAL SUPPLIED		DRGR	DATE



PRODUCTION	PAGE ONLY	DATE
NO.	REVISIONS	APP V
	EXTENSIVE CHANGES SEE VOIDED SERIALS 9MAR85 810-530-0-5V	87

- 1) SLIDE THE OUTER SHAFT UNTIL THE SET SCREW ON ONE SIDE OF COUPLING IS FACING LEAF OF GIBIT. LOOSEN, BUT DO NOT REMOVE, THE TWO (2) MOUNTING SCREWS ON THE "U" BRACKET. TAPE BELT NEXT TO GEAR TO PREVENT BELT SLIPPING.
- 2) LOOSEN SET SCREW IN THE COUPLING AS INDICATED, SLIDE THAT HALF OF THE COUPLING DOWN THE SHAFT SO THAT THE TWO (2) SECTIONS OF THE COUPLING ARE SEPARATED. REMOVE ANY BURRS ON THE SHAFT CAUSED BY THE COUPLING SET SCREWS.
- 3) LET THE SHAFT & "U" BRACKET FLOOR DOWN & THEN REMOVE THE COUPLING HALF FROM THE SHAFT. IF THERE IS NOT ENOUGH CLEARANCE TO REMOVE THE COUPLING, THE SCREWS IN THE "U" BRACKET MAY NEED ADDITIONAL LOOSENING.
- 4) NEXT HANG THE NEW DRIVE BELT, ITEM 12, ON THE SHAFT & SLIDE THE COLLAR, ITEM 26, THE CLUTCH, ITEM 24 & THE COUPLING HALF ONTO THE SHAFT.
- 5) REASSEMBLE THE COUPLING. DO NOT TIGHTEN SET SCREW. TIGHTEN THE TWO (2) MOUNTING SCREWS HOLDING THE "U" BRACKET WHILE PULLING OUT ON THE BRACKET SO THAT SLACK IS REMOVED FROM THE BELT. ADJUST THE COUPLING SO THERE IS ABOUT 1/16" GAP BETWEEN THE RUBBER & METAL AT EACH END. TIGHTEN ITS SET SCREW AGAINST THE FLAT ON THE SHAFT.
- 6) ALIGN CLUTCH PULLEY, BELT & ELECTRIC TRIM PULLEY SO THAT THEY RUN TRUE & BELT IS TIGHT. SECURE CLUTCH TO SHAFT BY TIGHTENING TWO (2) SET SCREWS IN THE CLUTCH. TIGHTEN FOUR (4) MOUNTING SCREWS ON THE ELECTRIC TRIM UNIT, ITEM 8. SLIDE COLLAR SNUGLY AGAINST PULLEY PORTION OF CLUTCH & TIGHTEN THE SET SCREW. INSTALL CONNECTOR "P5" ON ITEM 8. (TOP 4 PINS) IDENTIFY "P5" WITH PAPER LABEL.
- 7) ON ITEM 46, OO 684 0117 0, (S3) REMOVE WIPER OFF ONE END OF THE INNER WIPE SLIDE.



\* METER 1 IS CONN. TO J1  
 " 2 " " J2 ECT.

NO.	REVISIONS	APPROV'D
1	IN AREA 16 J28 WAS NOT SPECIFIED. SHT 2, 3, 4, 7, 8, 9, 10 WERE REVO. ECO-810-189-0	
6	178-0 204-0 212-0 12/8/80 232-0 243-0 R.S.	
7	REVD. SHT. 5 (A) 25 FEB 81 810-311-0	
8	REV'D SHT 5 9 MAR 81 810-325-0	
8A	REV'D SHT 3 31 MAR 81 810-320-0	
8B	REV'D SHT'S 3 & 7 WERE REV'D 2 APR 81 810-212-0	
9	REV'D SHT 5, 19 JUNE 81 810-408-0	
10	ADDED CONN. BETWEEN PB-34 & J21-25. SHT. 2 WAS REV. 4, SHT. 9 WAS REV. 1, SHT. 10 WAS REV. 4, SHT. 6 WAS REVO ECO 810-109-2 7/13/81	
10A	REV'D SHT 8 10/12/81 ECO 0-810-138	

**EAI**  
 ELECTRONIC ASSOCIATES, INC. West Long Beach, N.J.

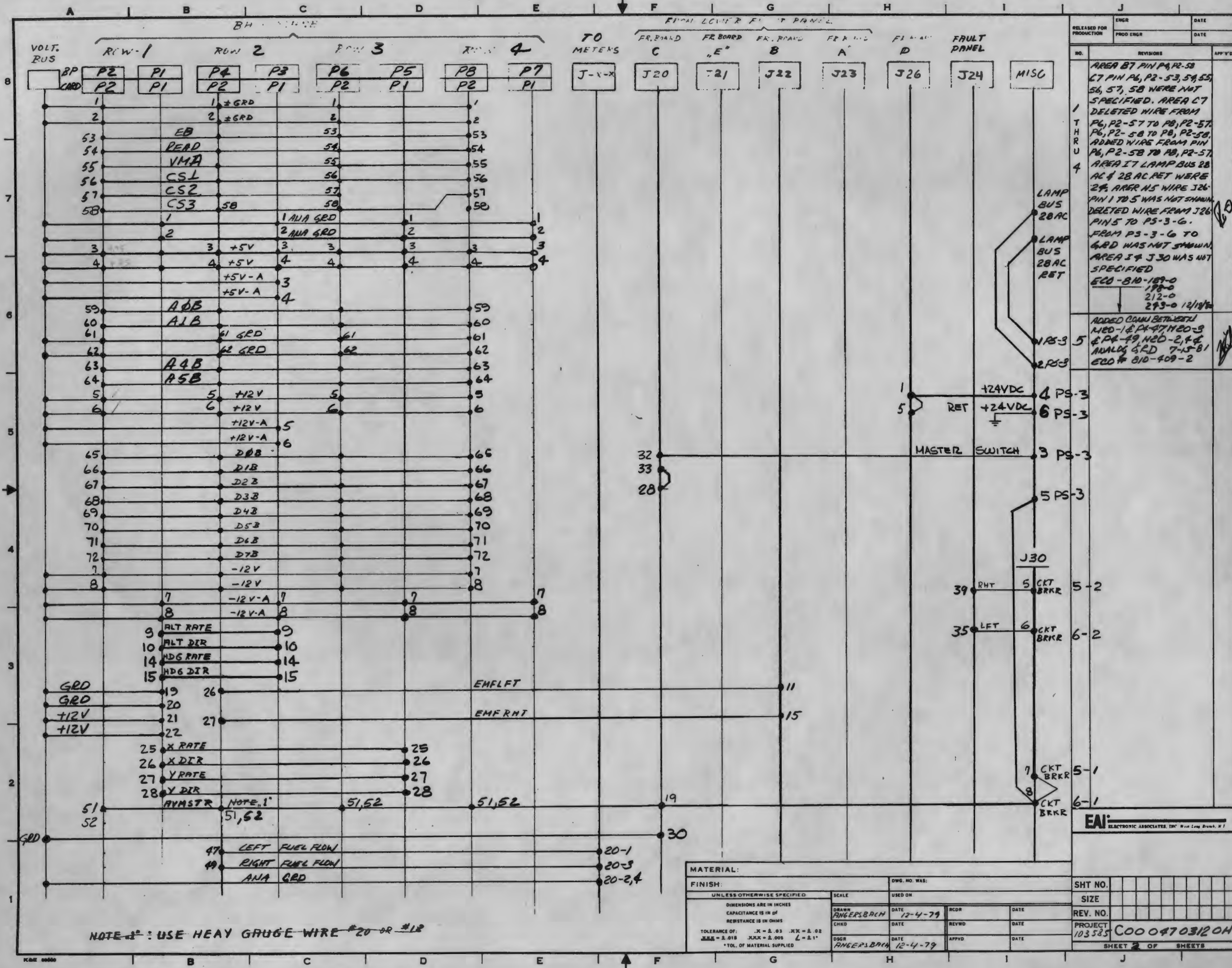
**INFORMATION**  
**BACK PLANE WIRING**  
**(810)**

SHT NO.	2	3	4	5	6	7	8	9	10
SIZE	CC	CC	CC	CC	CC	CC	CC	CC	CC
REV. NO.	5	4	3	1	4	2	5		
PROJECT	103585 C0004703120H								
SHEET 1 OF 10 SHEETS									

**MATERIAL: SEE PARTS LIST A000470312 OP**

FINISH	UNLESS OTHERWISE SPECIFIED	SCALE	AS SHOWN	USED ON	A000470312 OP
DIMENSIONS ARE IN INCHES	CAPACITANCE IS IN P.F.	RESISTANCE IS IN OHMS	TOLERANCE OF: .X = ±.03 .XX = ±.02 .XXX = ±.005 L = ±.1"	DATE	12-4-79
DRN	ANGERS, BARN	DATE	12-4-79	DATE	3 OCT 80
CHKD	DATE	DATE	12-4-79	DATE	10-2-80
DISG	DATE	DATE	12-4-79	DATE	9/30/80





RELEASED FOR PRODUCTION	ENGR	DATE
PROD ENGR		

NO. REVISIONS APP'D

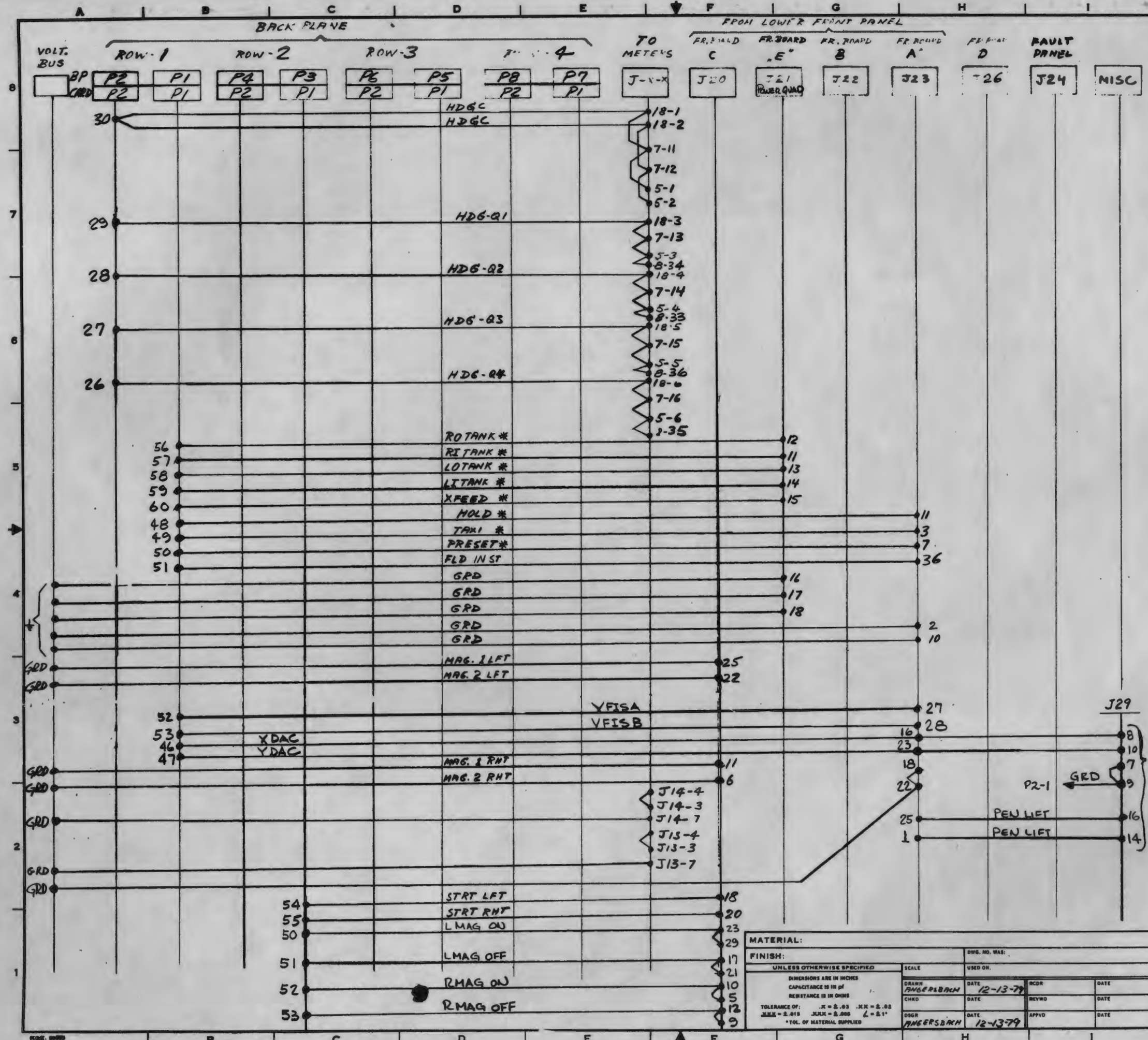
AREA B7 PIN P4, P2-58  
 C7 PIN P6, P2-53, 54, 55,  
 56, 57, 58 WERE NOT  
 SPECIFIED. AREA C7  
 DELETED WIRE FROM  
 P6, P2-57 TO P8, P2-57.  
 P6, P2-58 TO P8, P2-58.  
 ADDED WIRE FROM PIN  
 P6, P2-58 TO P8, P2-57.  
 AREA I7 LAMP BUS 28  
 AC & 28 AC RET WERE  
 2% ARER NS WIRE J26  
 PIN 1 TO 5 WAS NOT SHOWN.  
 DELETED WIRE FROM J26  
 PIN 5 TO PS-3-6.  
 FROM PS-3-6 TO  
 GRD WAS NOT SHOWN.  
 AREA I4 J30 WAS NOT  
 SPECIFIED  
 500-810-189-0  
 198-0  
 212-0  
 293-0 12/18/78

ADDED CONN BETWEEN  
 NED-18, P4-47, NED-3  
 & P4-49, NED-2, 4 &  
 ANALOG GRD 7-15-81  
 500 # 810-409-2

MATERIAL:		DWG. NO. WAS:	
FINISH:	UNLESS OTHERWISE SPECIFIED	SCALE:	USED ON:
DIMENSIONS ARE IN INCHES	CAPACITANCE IS IN OF	RESISTANCE IS IN OHMS	
TOLERANCE OF: .X = 2.03 .XX = 2.02	XXX = 2.005 L = 2.11	*TOL. OF MATERIAL SUPPLIED	
DRAWN: FINGERSBACH	DATE: 12-4-79	RCOR:	DATE:
CHKD:	DATE:	REYWD:	DATE:
DSR: FINGERSBACH	DATE: 12-4-79	APPVD:	DATE:

SHT NO.	SIZE	REV. NO.	PROJECT
			103585
SHEET 2 OF 2 SHEETS		C0004703120H	

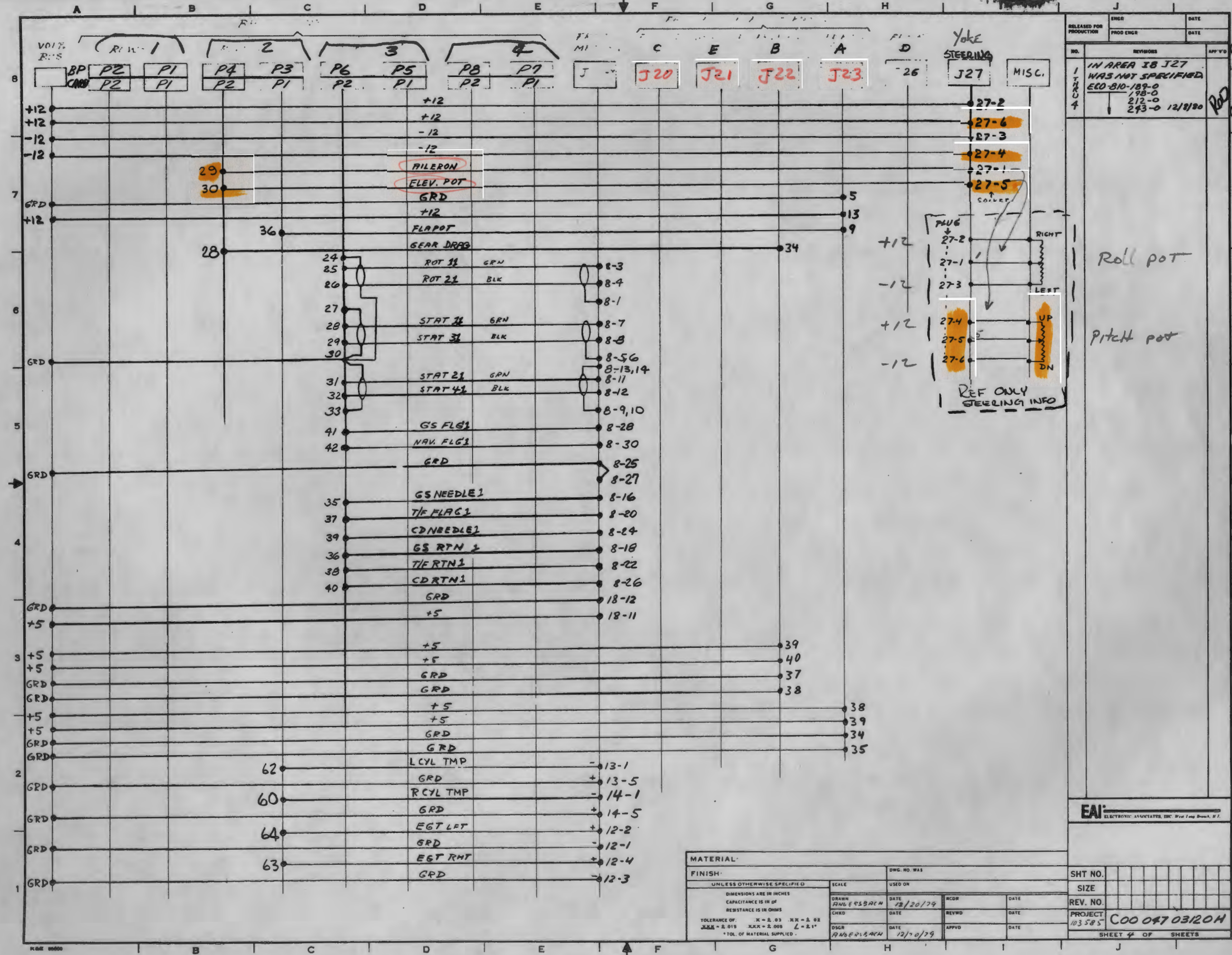
NOTE 1: USE HEAVY GAUGE WIRE #20 OR #18



RELEASED FOR PRODUCTION	ENGR	DATE
PROD ENGR		DATE
NO.	REVISIONS	APP'Y'S
1	IN AREA IS J29 WAS NOT SPECIFIED. ECD-BID-109-0 198-0 212-0 243-0 12/9/79 J.S.	
4a	J29-729 DID GO TO J23-1B & 22. (NOW TO P2-1). 31 MAR 81 810-320-0	
4b	J20-13 WAS CONNECTED TO GRD & WAS SHOWN A-7-B1 ECD-BID-212-0	
<b>EAI</b> ELECTRONIC ASSOCIATES, INC. West Long Beach, N.J.		
SHT NO.	SIZE	
REV. NO.		
PROJECT	C000470320H	
103585		
SHEET 3 OF SHEETS		

MATERIAL:		FINISH:		DWG. NO. WAS:	
UNLESS OTHERWISE SPECIFIED		SCALE		USED OR:	
DIMENSIONS ARE IN INCHES		DRWN	DATE	ACDR	DATE
CAPACITANCE IS IN pF		ANGERSBORN	12-13-79		
RESISTANCE IS IN OHMS		CHKD	DATE	REVWD	DATE
TOLERANCE OF: .X = ±.03 .XX = ±.02		DSCR	DATE	APPVD	DATE
.XXX = ±.015 .XXXX = ±.005 L = ±.1"		ANGERSBORN	12-13-79		
*TOL. OF MATERIAL SUPPLIED					





RELEASED FOR PRODUCTION	ENGR	DATE
PROD ENGR		
NO.	REVISED	APPROV
1	IN AREA IS J27 WAS NOT SPECIFIED	
2	EEO-810-189-0	
3	198-0	
4	212-0	
	243-0	12/8/80

Roll pot

Pitch pot

RIGHT

LEFT

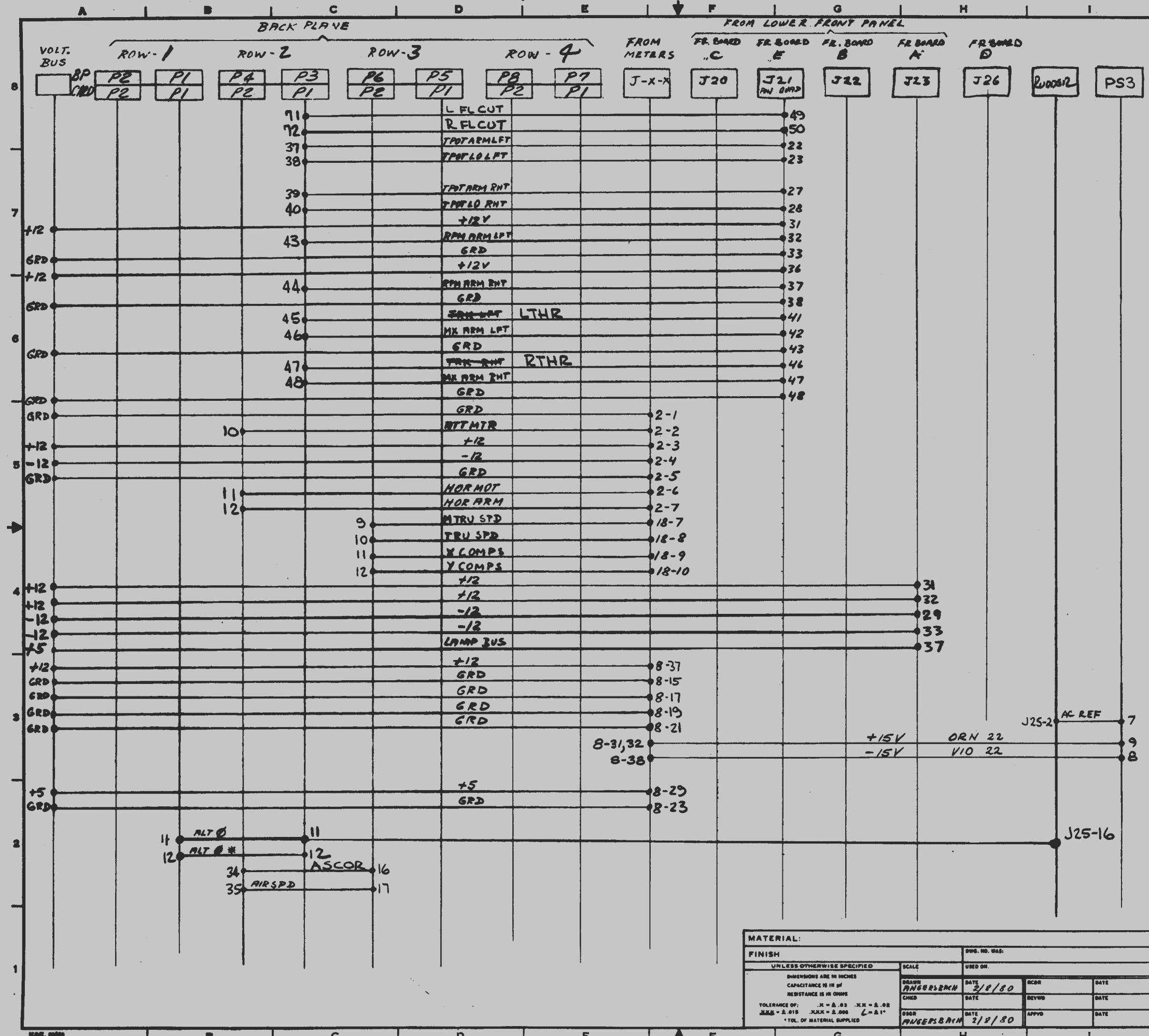
UP

DN

REF ONLY STEERING INFO

MATERIAL FINISH		DWC. NO. WAS	
UNLESS OTHERWISE SPECIFIED		SCALE	USED ON
DIMENSIONS ARE IN INCHES		DRAWN	DATE
CAPACITANCE IS IN OF		AMBERLSBACH	12/20/79
RESISTANCE IS IN OHMS		CHKD	DATE
TOLERANCE OF: .X = ± .03 .XX = ± .02		REVD	DATE
.XXX = ± .015 .XXX = ± .008 L = ± .1"		APPRD	DATE
* TOL. OF MATERIAL SUPPLIED		DSCR	DATE
		AMBERLSBACH	12/20/79

EAI	ELECTRONIC ASSOCIATES, INC. 8741 Long Beach, B.C.
SHT NO.	
SIZE	
REV. NO.	
PROJECT	C00 047 03120H
SHEET 4 OF SHEETS	

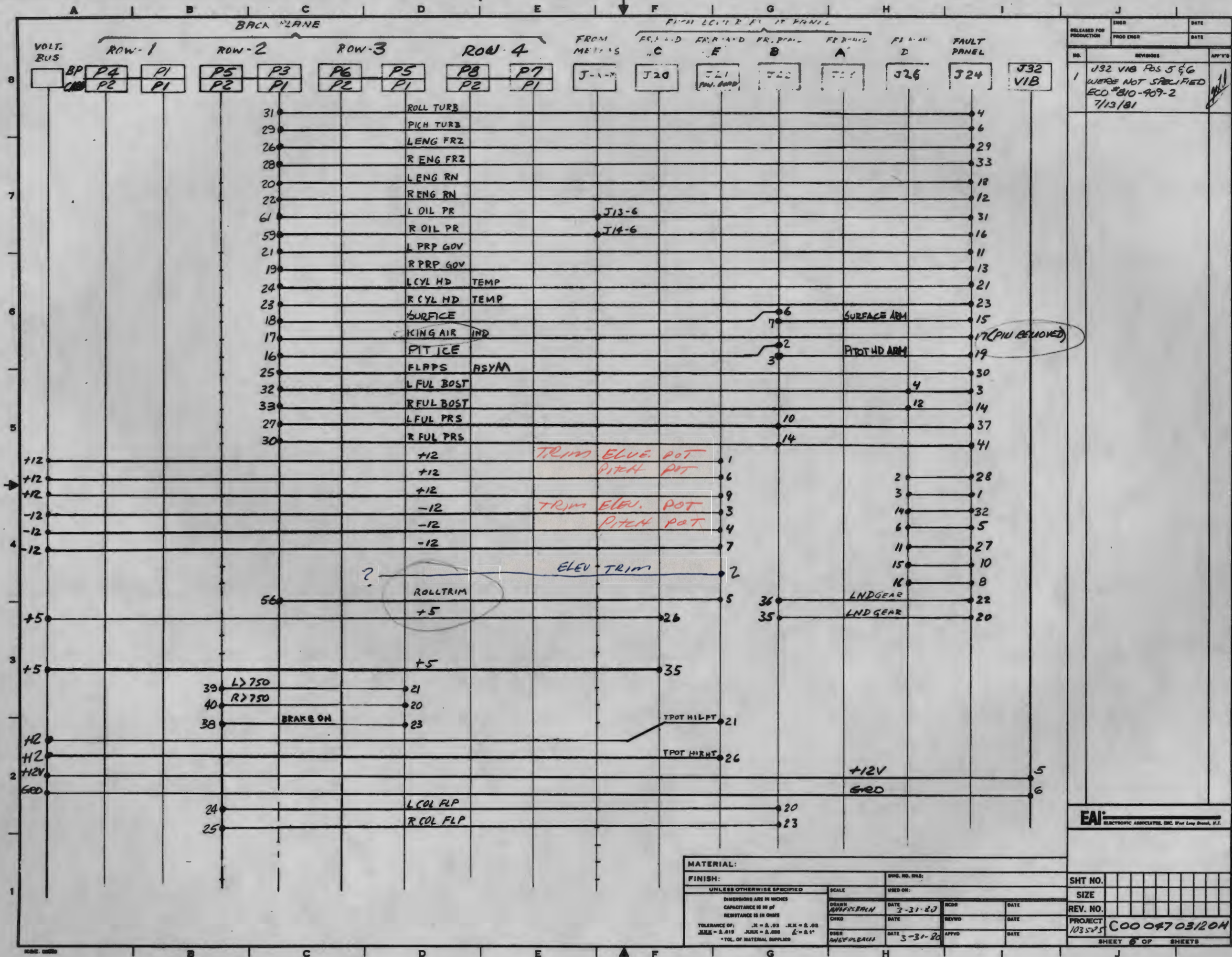


RELEASED FOR PRODUCTION	DATE
NO.	REVISED
1	FROM METERS "J-X-X" 8-31, 8-32, 8-38 WENT TO "VOLT BUS" +12, +12, -12 RES. 29 FEB 61 810-31-0
2	PS3-9 WAS M32 10 WAS M38 ADDED PS3-7. DELETED J25-2 TO LAMP BUS (NOT SHOWN) REV 8 COPPER 9 MAR 61 810-31-0
3	PS3-8 WAS PS3-10 19 JUNE 61 810-408-0

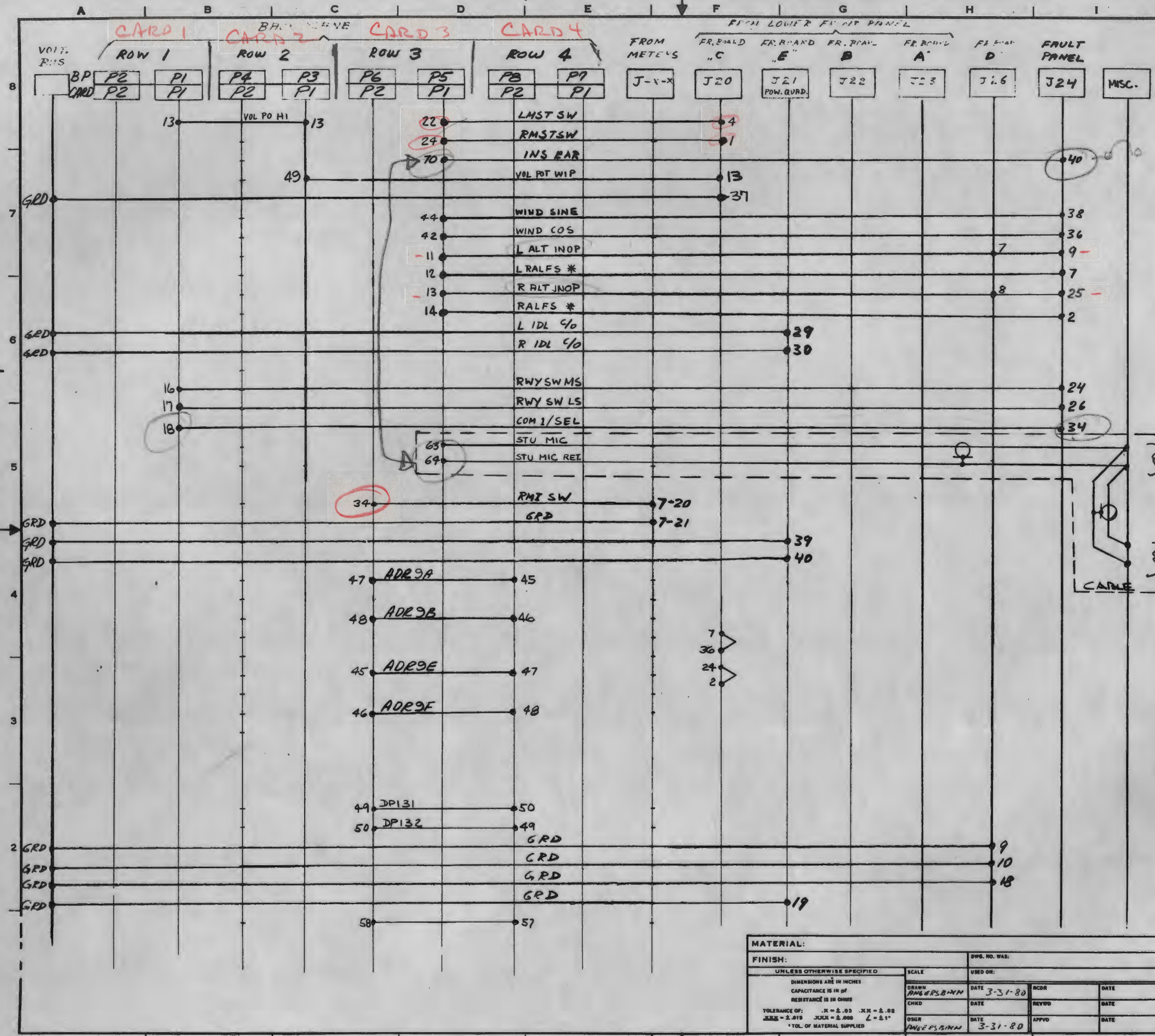
MATERIAL:		DWS. NO. WAS:	
FINISH	UNLESS OTHERWISE SPECIFIED	SCALE	USED ON:
DIMENSIONS ARE IN INCHES CAPACITANCE IS IN PFD RESISTANCE IS IN OHMS		DATE	DATE
TOLERANCE OF: .X = ±.03 .XX = ±.02 .XXX = ±.01	L = ±.1"	DATE	DATE
*TOL. OF MATERIAL SUPPLIED		DATE	DATE
DRAWN: RUSERSBACH	DATE: 2/8/60	CHKD:	DATE:
DATE: 2/8/60	APPVD:	DATE:	DATE:

SHT NO.	
SIZE	
REV. NO.	
PROJECT	COO 047 03/20H
SHEET 5 OF SHEETS	

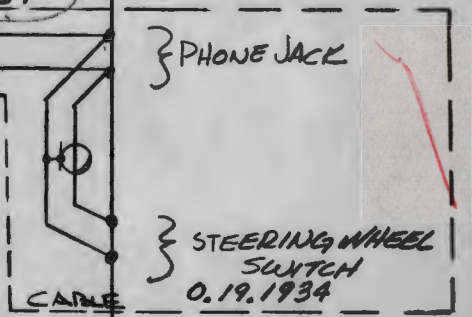








NO.	REVISIONS	DATE
1	IN AREA C6 DELETED WIRE FROM P3, P1-PIN 41 & 42 TO J21-PIN 29 & 30 WIRE FROM VOLT. BUS 4RD TO J21-PIN 29 & 30 WERE NOT SHOWN. AREA J9 0.19.1934 WAS NOT SPECIFIED.	
4	ECO-810-189-0 198-0 12/11/80 212-0 293-D D.S.	
4a	P3-49 TO J20-37 WAS SHOWN P3-49 TO J20-13 & J20-37 TO GRD WERE NOT SHOWN ECO 810-212-0 12-81	

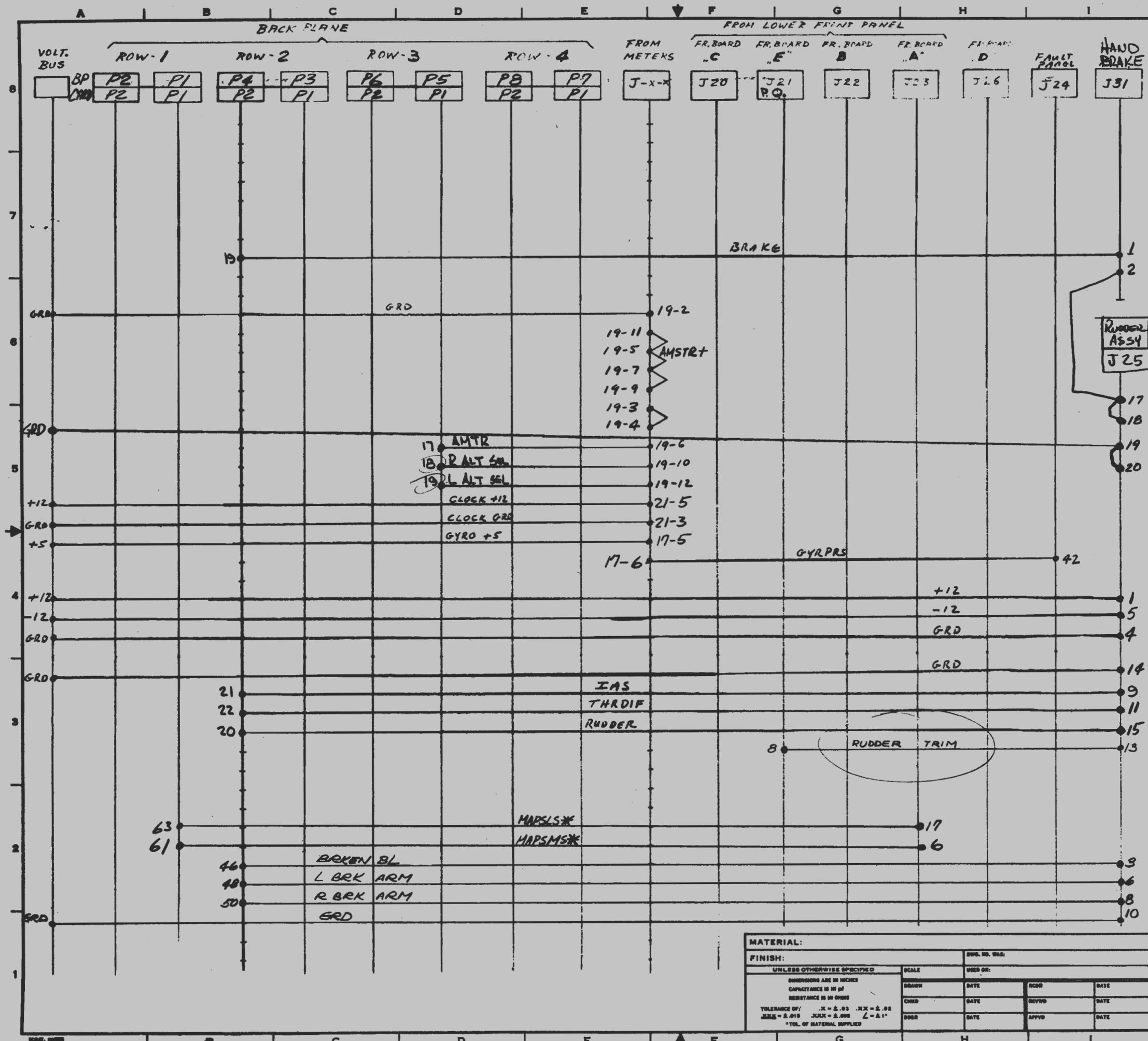


CONTROL WHEEL

MATERIAL:		FINISH:		UNLESS OTHERWISE SPECIFIED		SCALE		DWS. NO. WAS:		USED OR:		SHT NO.	
DIMENSIONS ARE IN INCHES		CAPACITANCE IS IN PF		RESISTANCE IS IN OHMS		DRAWN		DATE		DCDR		DATE	
TOLERANCE OF: .X = ±.03 .XX = ±.08 .XXX = ±.015 JACK = ±.008 L = ±.1"		*TOL. OF MATERIAL SUPPLIER		CHKD		DATE		REVDD		DATE		REV. NO.	
				OSGR		DATE		APPRD		DATE		PROJECT	
				DRAWN		DATE		APPRD		DATE		103 545	
				DATE		DATE		DATE		DATE		COO 047 0312 ON	
												SHEET 7 OF SHEETS	







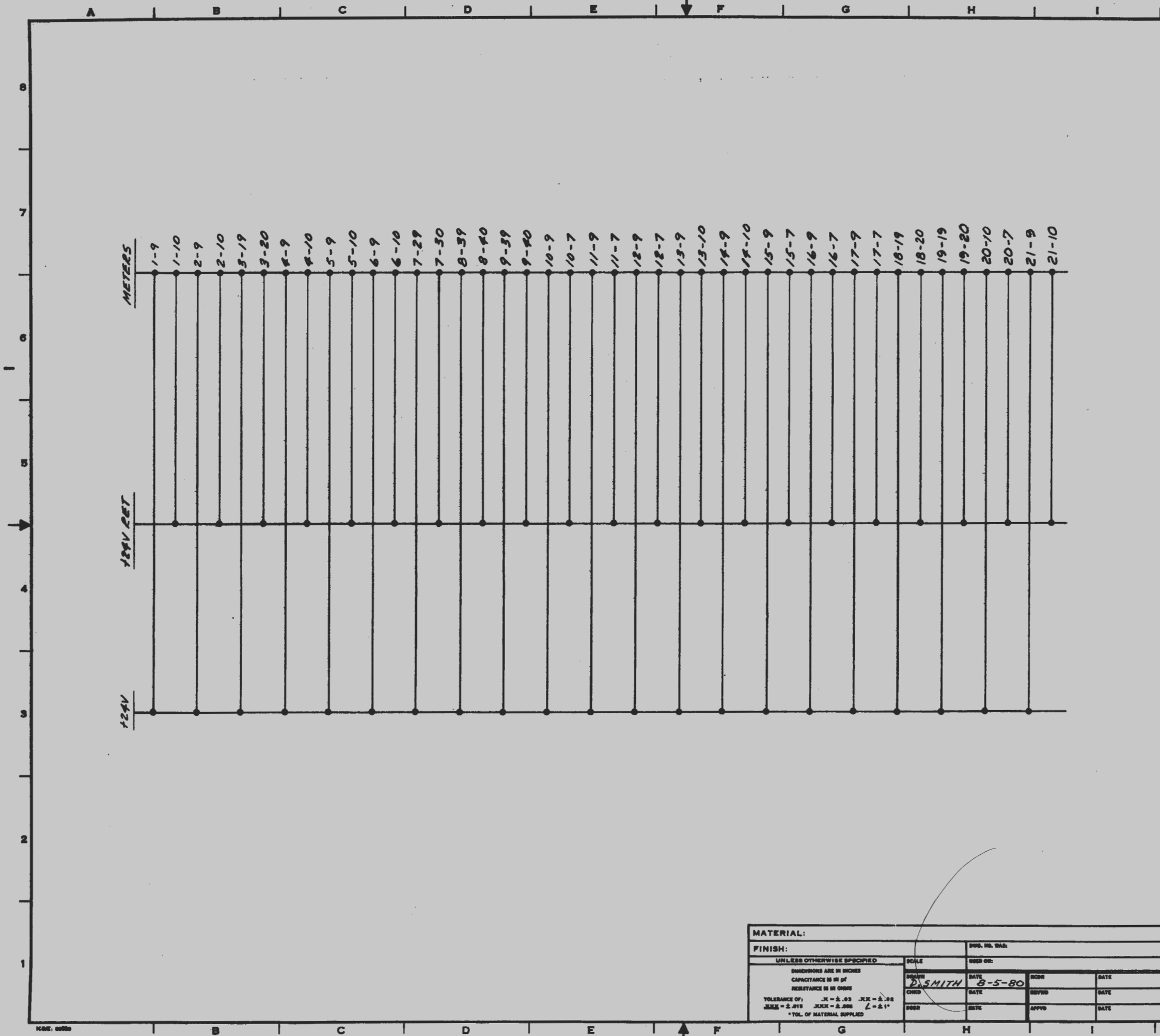
RELEASED FOR PRODUCTION	DATE
NO.	REVISION
1	IN AREA 18 J31 WAS NOT SPECIFIED. IN AREA 15 J25-17 WAS 19, 18 WAS 20, 19 WAS 17, 20 WAS 18. 25. ECD-B10-204-D 12/11/80
2	ADDED CABLE BETWEEN J25-3 & P4-46, J25-6 & P4-48, J25-8 & P4-50, J25-4 GRD WAS J25-3 5204 B10-409-27-13-81

EAI: ELECTRONIC ASSOCIATES, INC. Fort Lee, New Jersey, U.S.A.

MATERIAL:		DWG. NO. 048:	
FINISH:	UNLESS OTHERWISE SPECIFIED	SCALE:	USED ON:
DIMENSIONS ARE IN INCHES	CAPACITANCE IS IN P.F.	DRAWN:	DATE:
RESISTANCE IS IN OHMS	TOLERANCE OF: .X = ±.03 .XX = ±.02 .XXX = ±.015 .XXX = ±.000 L = ±1"	CHEK:	DATE:
*TOL. OF MATERIAL SUPPLIED		DOOR:	DATE:

SHT NO.	SIZE
REV. NO.	PROJECT
	143585 C00047031204
SHEET 1 OF 2 SHEETS	



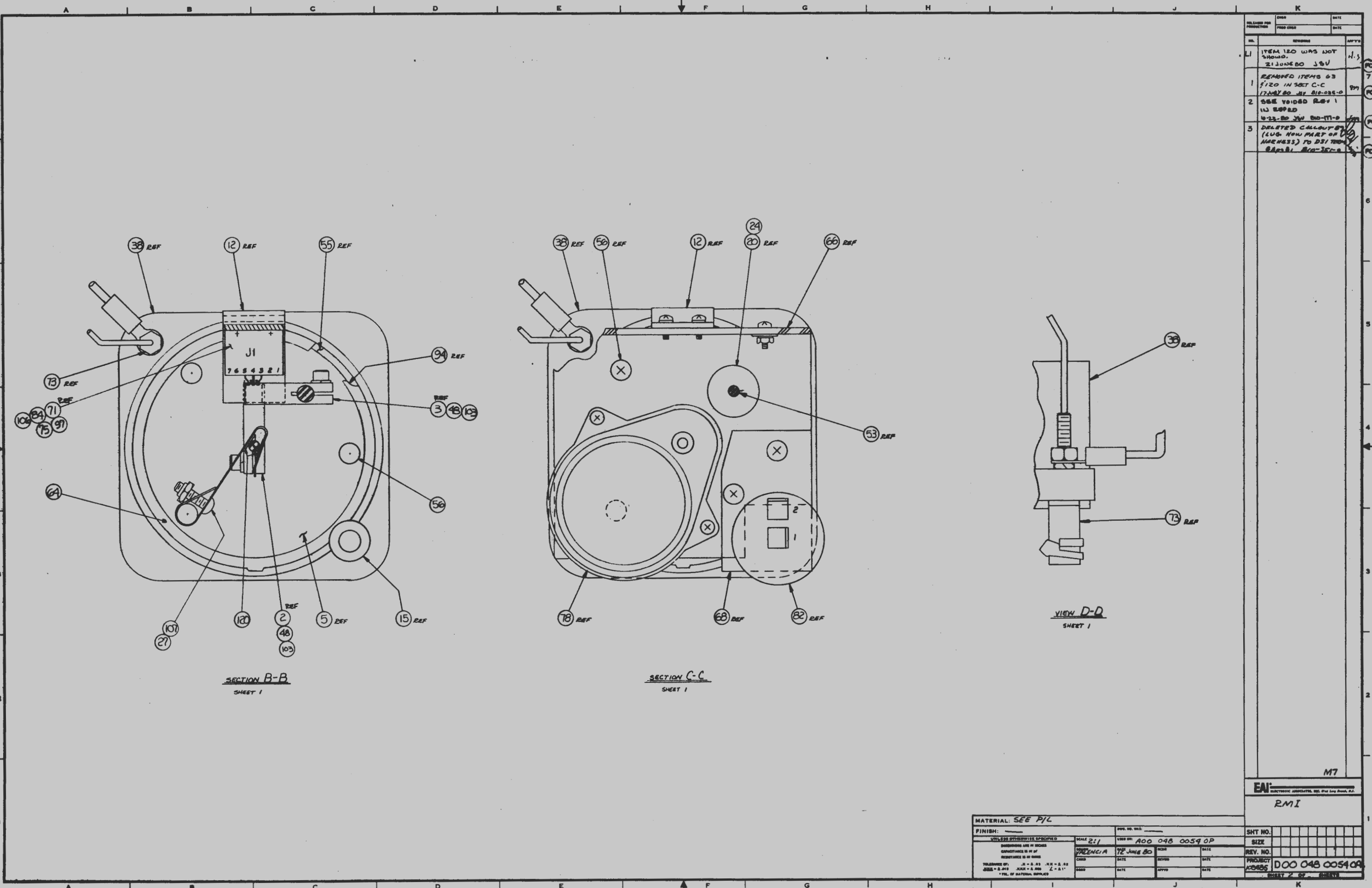


RELEASED FOR PRODUCTION	DATE	DATE
NO.	REVISED	APPROVED
1	IN AREA N7, PIN N-19 WAS 18-11, PIN 18-20 WAS 18-12.	PC
4	ECO-810-189-0 198-0 212-0 243-0 12/8/80 Z.S.	PC
5	METER 20-10 WAS 20-9, 20-7 WAS 20-10 ECO N 810-409-2 7-13-81	PC
EAI ELECTRONIC ASSOCIATES, INC. 700 Long Beach, C.A.		
SHT NO.		
SIZE		
REV. NO.		
PROJECT 103585 C0004703120H		
SHEET 10 OF 10		

MATERIAL:		DWG. NO. 048:	
FINISH:		Dwg. No. 048:	
UNLESS OTHERWISE SPECIFIED		SCALE	DWG. OR:
DIMENSIONS ARE IN INCHES		DRAWN	DATE
CAPACITANCE IS IN P.F.		D.S.MITH	8-5-80
RESISTANCE IS IN OHMS		CHKD	DATE
TOLERANCE OF: .X - ±.03 .XX - ±.02		DATE	REVISED
.XXX - ±.008 L - ±.1"		DATE	DATE
*TOL. OF MATERIAL SUPPLIED		DATE	DATE







NO.	REVISIONS	DATE
1	ITEM 120 WAS NOT SHOWN. 21 JUNE 80 JBV	H.S.
1	REMOVED ITEMS 63 5120 IN SET C-C 17 JUNE 80 BY SIG-085-D	PM
2	SEE VOIDED REV 1 13 SEP 80 10-23-80 JAV 80-11-0	PM
3	DELETED CALLOUTS (LUG NOW PART OF HARNESS) TO DSI FROM 8 APR 81 SIG-15-C	PM

SECTION B-B  
SHEET 1

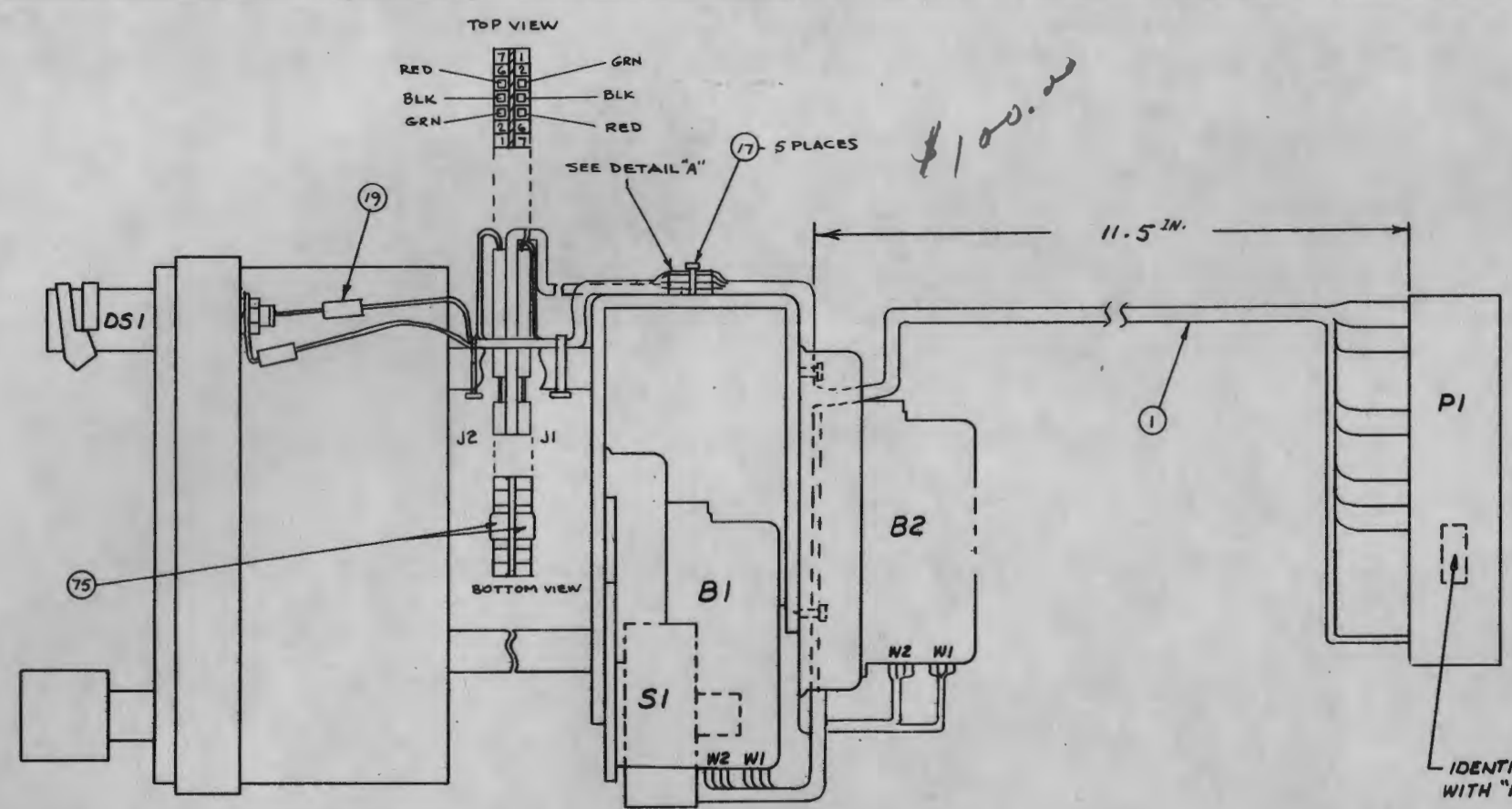
SECTION C-C  
SHEET 1

VIEW D-D  
SHEET 1

M7

EAI  
ELECTRONIC ASSOCIATES, INC. P.O. BOX 1000, N.J.  
RMI

MATERIAL: SEE P/L		Dwg. No. 048 0059 0P		SHT NO.
FINISH: UNLESS OTHERWISE SPECIFIED	SCALE 2:1	DATE 12 JUNE 80	SIZE	
DESIGNED BY: VALENCIA	DATE	DATE	REV. NO.	
CHECKED BY:	DATE	DATE	PROJECT	D00 048 0054 0A
APPROVED BY:	DATE	DATE	SHEET 2 OF 2 SHEETS	



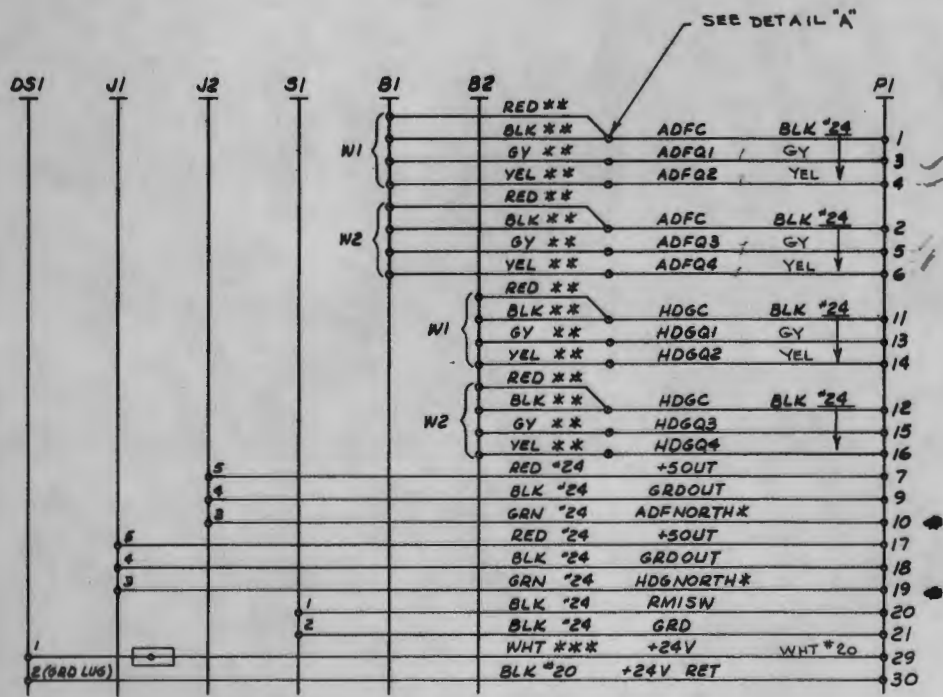
IDENTIFY PIN #1 WITH RED DOT ON SIDE OF CONNECTOR.

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30

INSTALL LOCATING KEY IN POSITION #22

WIRING SIDE

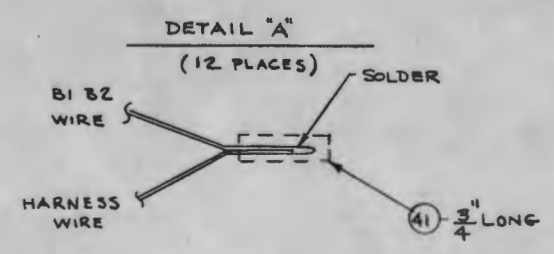
IDENTIFY WITH "M7"



\*\* WIRE SUPPLIED WITH METER  
 \*\*\* WIRE SUPPLIED WITH LIGHT

WIRING DIAGRAM

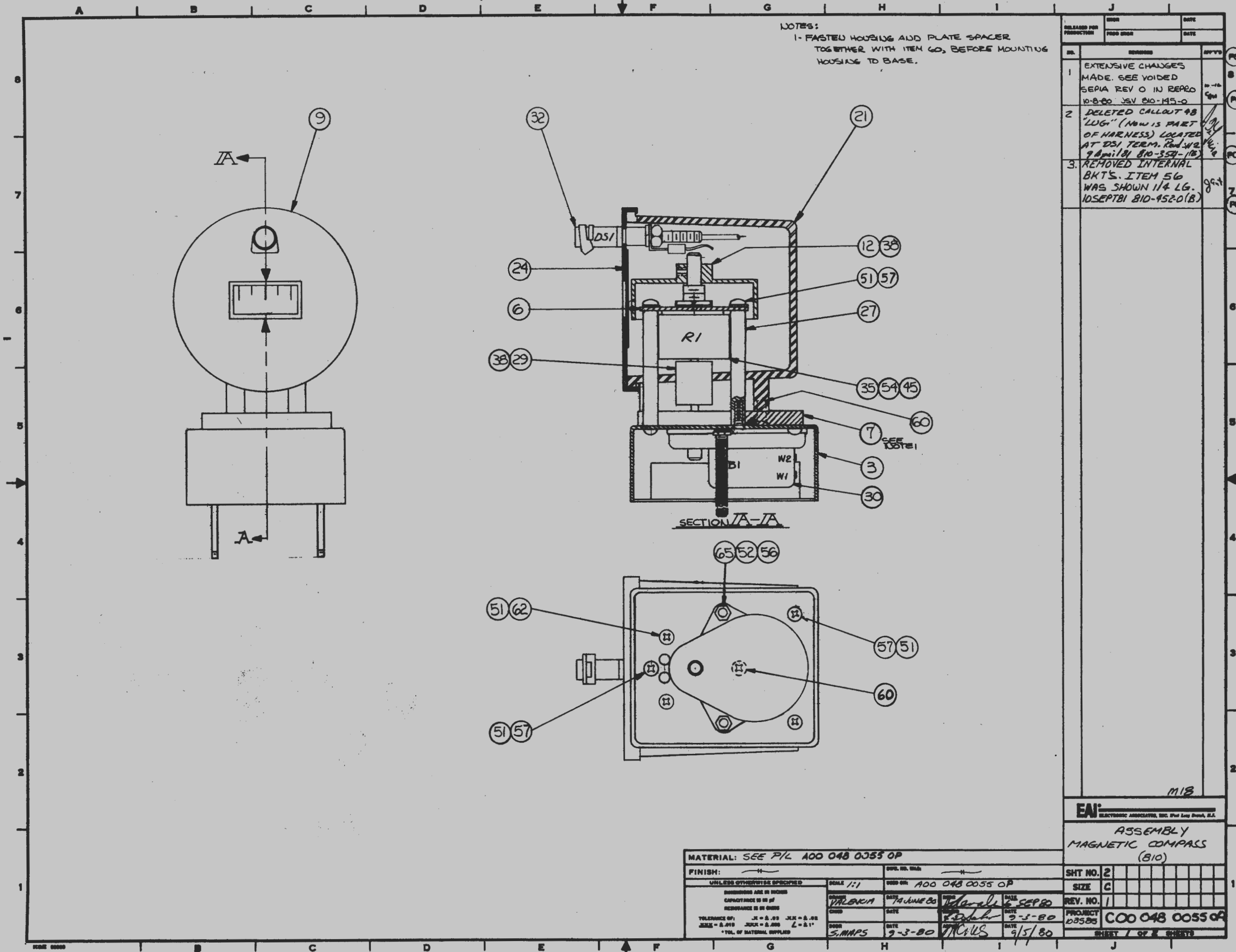
NOTES:  
 1. IF WIRE SUPPLIED WITH METER IS NOT LONG ENOUGH, SPLICE ADDITIONAL WIRE TO EXISTING WIRES.



REV.	DESCRIPTION	DATE
1	SEE VOIDED REV 0 IN REPR 10-23-80 JSV 810-177-0	10-23-80
2	EXTENSIVE CHGES. SEE VOID REV 1 COPY IN REPR 10-23-80 JSV 810-177-0	10-23-80

EAI		RMT	
FINISH:	SCALE:	DATE:	DATE:
UNLESS OTHERWISE SPECIFIED	9-5-80	DATE:	DATE:
PROJECT:	108888	PROJECT:	D00 048 0054 0A





NOTES:  
 1- FASTEN HOUSING AND PLATE SPACER TOGETHER WITH ITEM 60, BEFORE MOUNTING HOUSING TO BASE.

NO.	REVISION	DATE	PC
1	EXTENSIVE CHANGES MADE. SEE VOIDED SEPIA REV 0 IN REPRO 10-8-80 JSV 810-145-0	10-16-80	PC
2	DELETED CALLOUT 48 "LUG" (NOW IS PART OF HARNESS) LOCATED AT DSI TERM. PWD-W2 9 April 81 810-357-1B	9/5/81	PC
3	REMOVED INTERNAL BKTS. ITEM 56 WAS SHOWN 1/4 LG. 10 SEPT 81 810-452-0(B)	9/5/81	PC

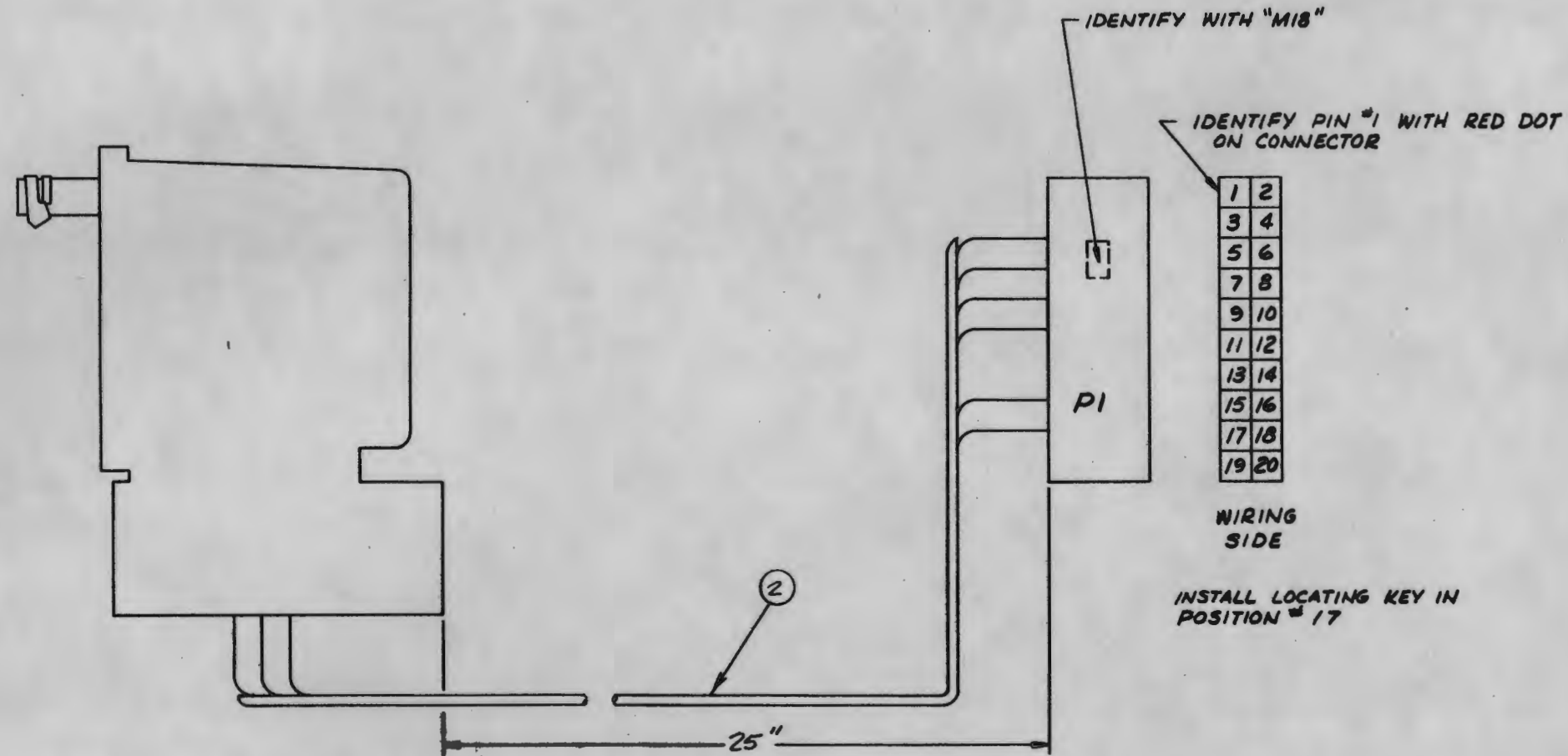
M18

**EAI**  
 ELECTRONIC ASSOCIATES, INC. Fort Lee, N.J.

ASSEMBLY  
 MAGNETIC COMPASS  
 (B10)

MATERIAL: SEE P/L A00 048 0355 OP

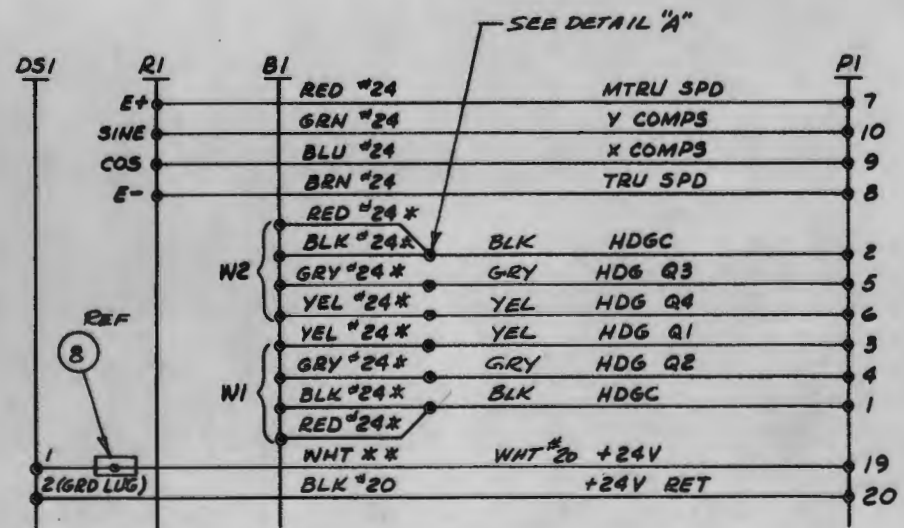
FINISH:	SCALE 1:1	DRW. NO. 048 0055 OP	SHT NO. 2
UNLESS OTHERWISE SPECIFIED	DATE 14 JUN 80	DATE 14 JUN 80	SIZE C
DESIGNED BY VALENTIA	DATE 14 JUN 80	DATE 14 JUN 80	REV. NO. 1
CHECKED BY S. MAPS	DATE 9-3-80	DATE 9-3-80	PROJECT 0355
TOLERANCE OF: .12 = ±.01 .12 = ±.01	DATE 9-3-80	DATE 9/5/80	PROJECT C00 048 0055 OP
.125 = ±.01 .125 = ±.01	DATE 9-3-80	DATE 9/5/80	SHEET 1 OF 2 SHEETS
*VOL. OF MATERIAL SUPPLIED			



DESIGNED FOR	DATE
PRODUCED FOR	DATE
NO.	REVISED
1 EXTENSIVE CHGES SEE VOID REV 0 COPY IN REPRO. 9Apr81 810-354-1	

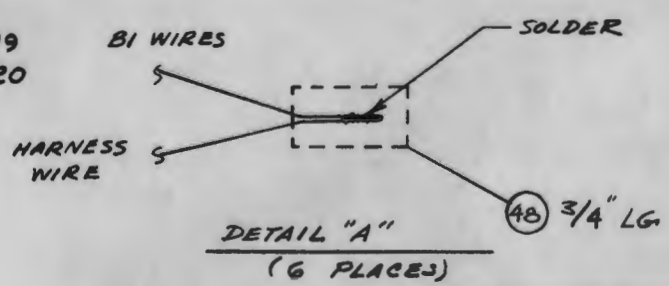
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20

WIRING SIDE  
INSTALL LOCATING KEY IN POSITION # 17



\* WIRE SUPPLIED WITH METER  
\*\* WIRE SUPPLIED WITH LIGHT

NOTE:  
1. IF WIRE SUPPLIED WITH METER IS NOT LONG ENOUGH, SPLICE ADDITIONAL LENGTH WIRE TO EXISTING ONES

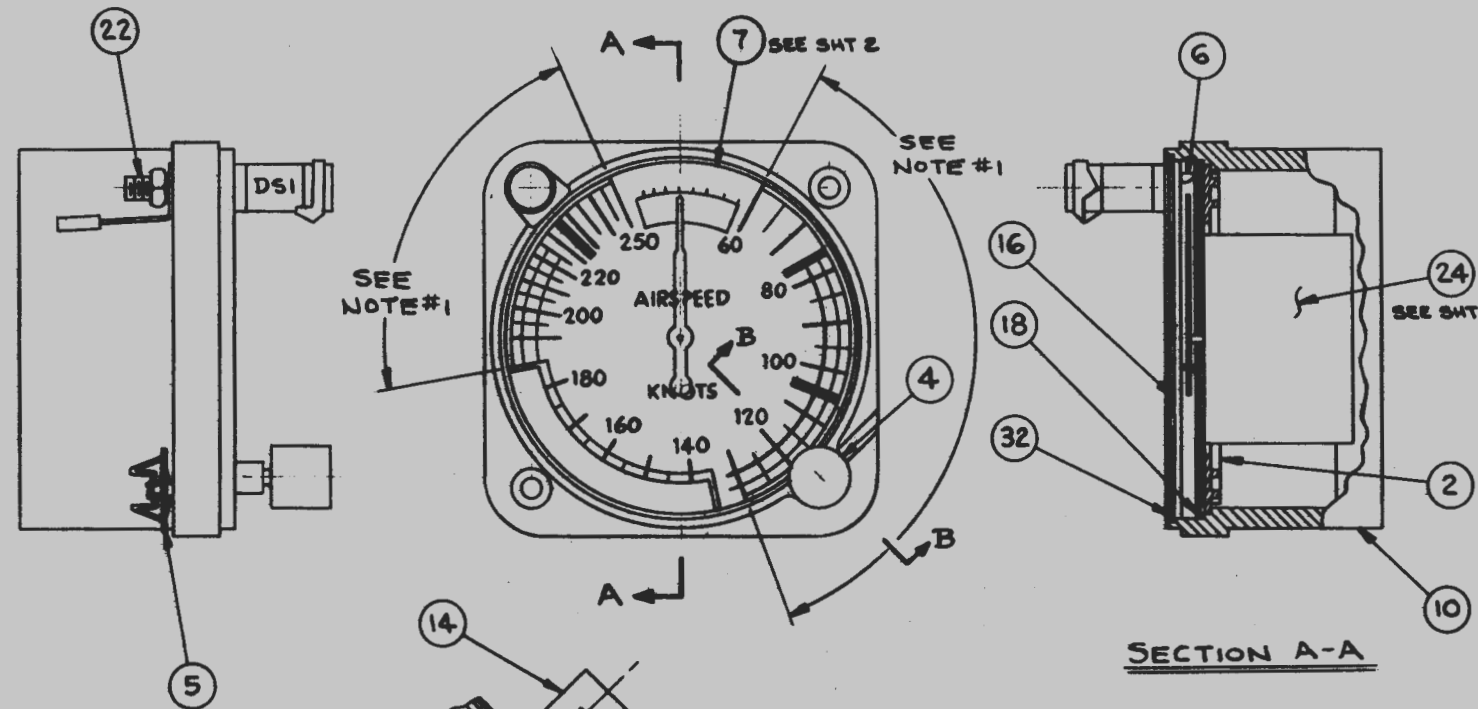


MATERIAL:		SHT NO.	
FINISH:		SIZE	
UNLESS OTHERWISE SPECIFIED		SCALE	
DIMENSIONS ARE IN INCHES		DATE 8-27-80	
CAPACITANCE IS IN PF		RECD	
RESISTANCE IS IN OHMS		DATE	
TOLERANCE OF: .10 ± .02 .125 ± .02		REV'D	
.15 ± .02 .20 ± .02		DATE	
.25 ± .02 .30 ± .02		DATE	
.35 ± .02 .40 ± .02		DATE	
.45 ± .02 .50 ± .02		DATE	
.55 ± .02 .60 ± .02		DATE	
.65 ± .02 .70 ± .02		DATE	
.75 ± .02 .80 ± .02		DATE	
.85 ± .02 .90 ± .02		DATE	
.95 ± .02 1.00 ± .02		DATE	
* TOL. OF MATERIAL SUPPLIED		PROJECT C 00 048 0055 0A	
		103585	
		SHEET 2 OF SHEETS	



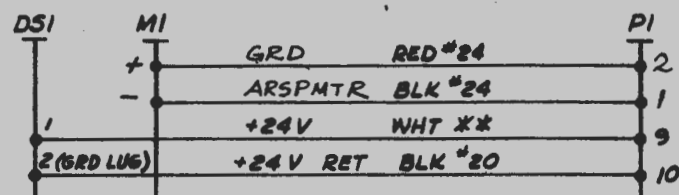
**NOTES:**

1. ITEMS 6 & 18 TO BE CUT INTO QUADRANTS AS INDICATED, THEN LOCATED AS SHOWN SECURED TOGETHER AND TO THE SIDEWALLS OF THE METER CASE WITH PLIOBOND (00 902 0006 0).



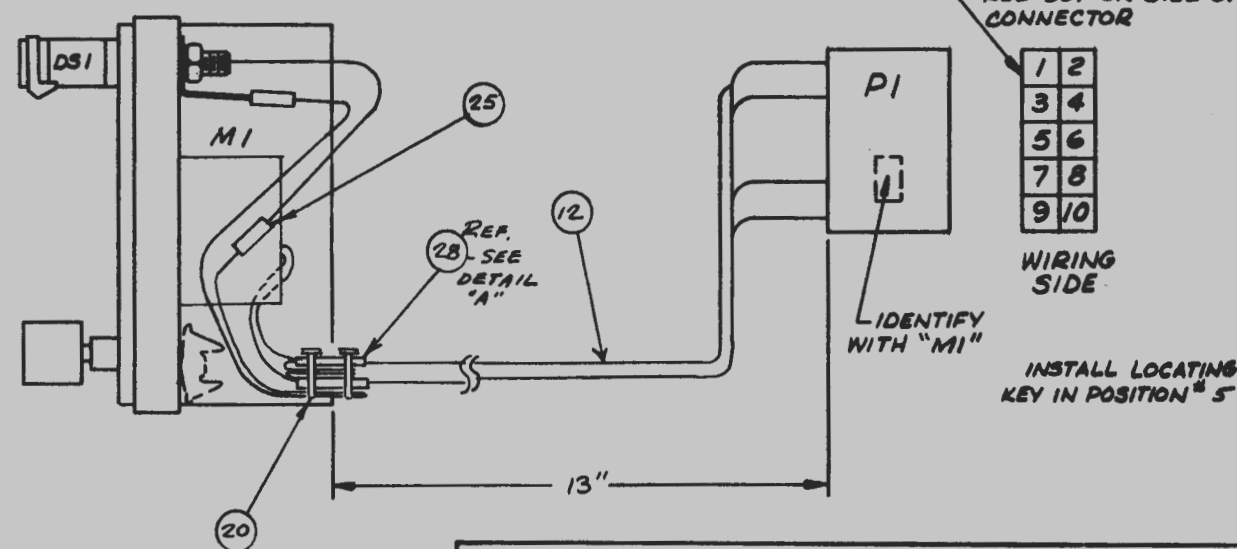
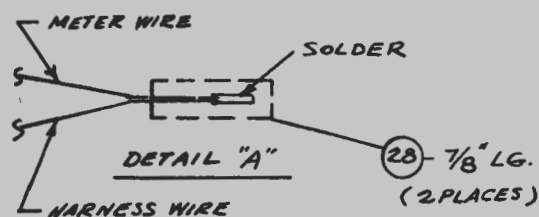
17 MOUNT WITH FLAT TO GEAR END, ITEM 8

**SECTION B-B**



\*\* WIRE SUPPLIED WITH LIGHT

**WIRING DIAGRAM**



MATERIAL: SEE PARTS LIST A00 048 0056 0P

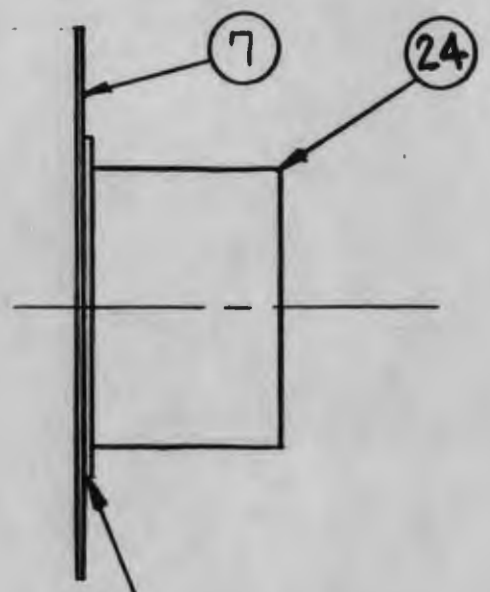
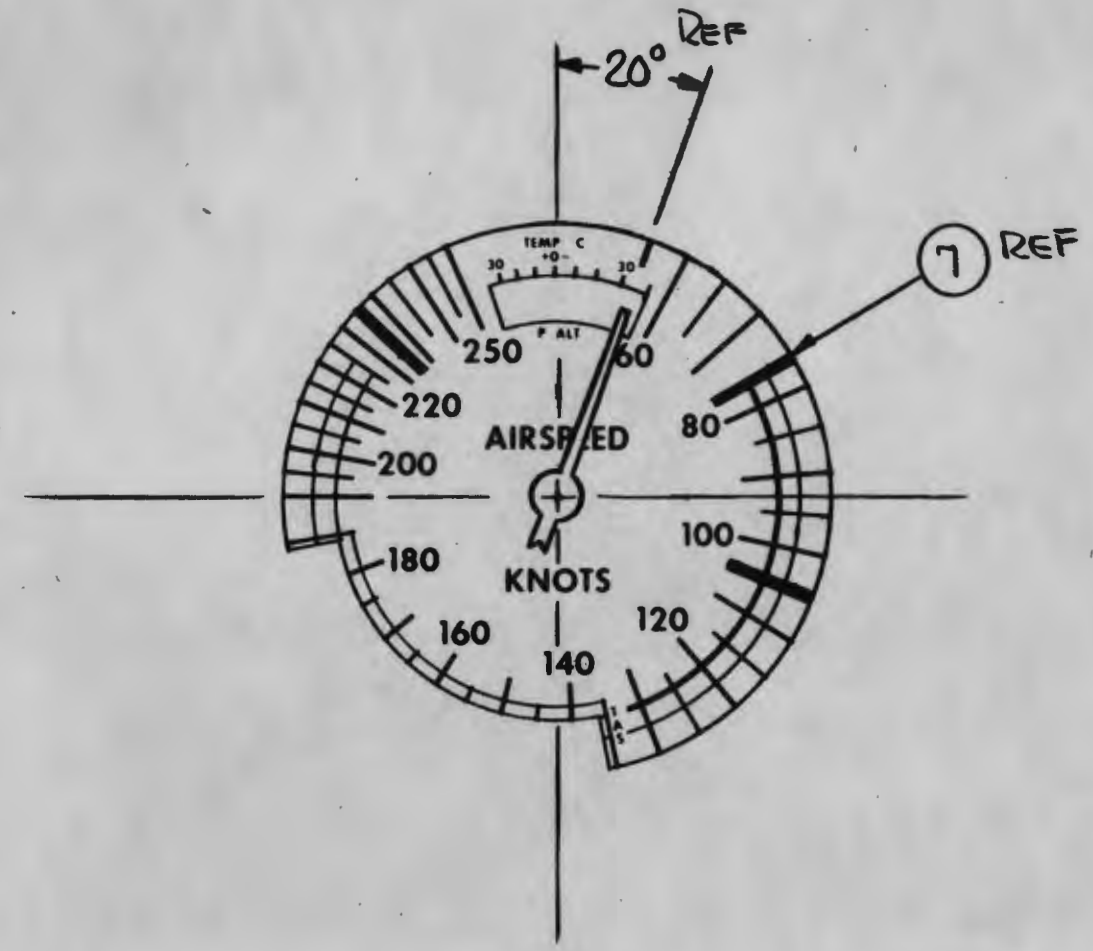
FINISH:		SCALE 1:1		DWG. NO. A00 048 0056 0P	
UNLESS OTHERWISE SPECIFIED		DIMENSIONS ARE IN INCHES		DATE 7 AUG 80	
CAPACITANCE IN PF		RESISTANCE IN OHMS		DATE 7 SEP 80	
TOLERANCE OF: .125 ± .005		.125 ± .005		DATE 9-3-80	
.125 ± .010		.125 ± .005		DATE 9-8-80	
*VOL. OF MATERIAL SUPPLIED		DATE 14 Aug 80		DATE 9-8-80	

REV.	DESCRIPTION	DATE	BY
1	PI-142 AND GED 4 ARSPMTR WERE INTERCH'D 8 JAN 81 810-261-0		JA
2	ITEM 17 WAS ITEM 30 & ASSOCIATED NOTE WAS NOT SPEC. 22 JAN 81 810-267-1		JA
24	INTERCHANGED PI-142 (SEE REV 1. 25 MAR 81 (810-261-0)		JA
3	EXTENSIVE CHGES. ADDED HARNESS. SEE VOID REV 2a IN REPRO 8 APR 81 810-357-0		JA
3a	SECT. B-B DELETE ITEM 1 BALLOON TO SHAFT BUSHING. 5 MAY 81 0-810-88		JA

EAI ELECTRONIC ASSOCIATES, INC. For Long Beach, CA.	
ASSEMBLY METER, AIRSPEED INDICATOR, WIRING (810)	
SHT NO. 2	SIZE B
REV. NO. 0	PROJECT 103585
C00 048 0056 0A	
SHEET 1 OF 2 SHEETS	

NOTES: 1. ALIGN DIAL TO POINTER. POINTER ZERO CURRENT POSITION SHALL BE AT  $55 \pm .5$  KNOTS WITH DIAL IN A VERTICAL PLANE

2. ASSEMBLED METER ACCURACY TEST. ADJUST METER CURRENT TO SHOW AN INDICATION OF 185 KNOTS. METER CURRENT SHOULD EQUAL  $600 \mu a \pm 150 \mu a$



CEMENT DIAL TO METER USING SILASTIC. LET CURE 24HR. BEFORE ASSEMBLING INTO METER

RELEASED FOR PRODUCTION:	ENGR.	DATE
NO.	REVISIONS	APP'VD.

UNLESS OTHERWISE SPECIFIED

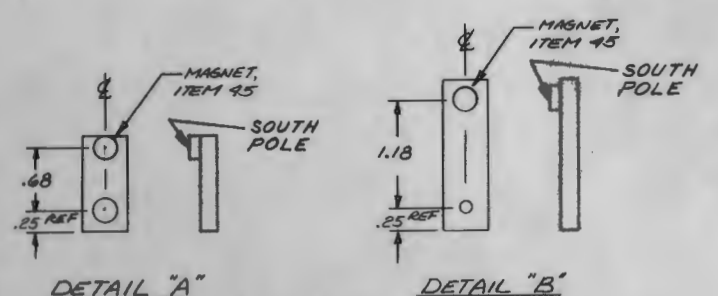
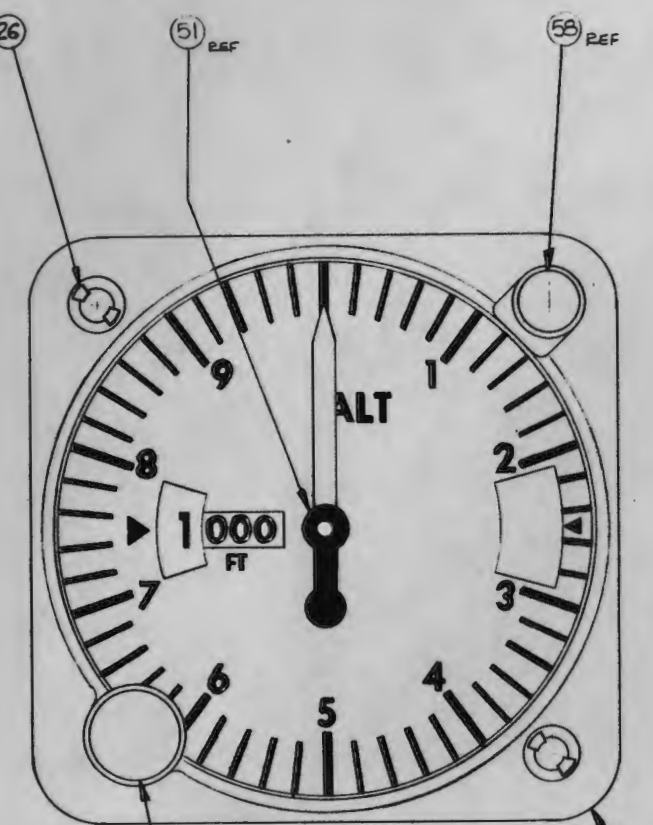
DIMENSIONS ARE IN INCHES  
 CAPACITANCE IS IN pf  
 RESISTANCE IS IN OHMS

TOLERANCE OF: X  $\pm .03$  XX  $\pm .02$   
 XXX  $\pm .015$  .XXX  $\pm .005$  L  $\pm .1^\circ$

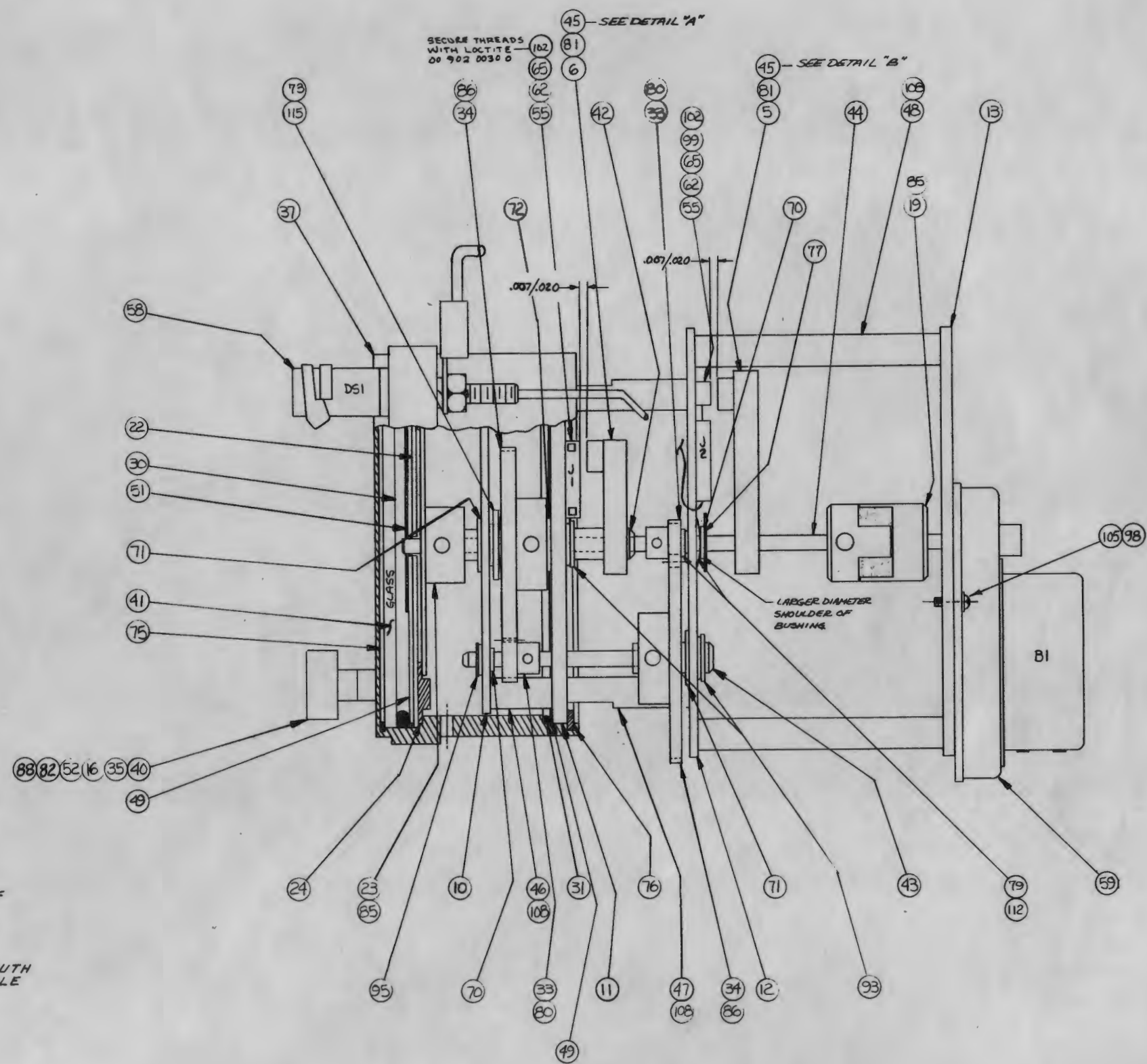
\*TOL OF MATERIAL SUPPLIED

**EAI**  
 ELECTRONIC ASSOCIATES, INC. West Long Branch, N.J.

MAT'L:				DWG. NO. WAS		SHT. NO.	
FINISH:				SCALE		SIZE	
DRAWN	DATE	RCDR	DATE	REV. NO.	PROJECT		
CHKD	DATE	REVWD	DATE	103585	B00 048 0056 0A		
DSGR	DATE	APPVD	DATE	SHEET 2 OF SHEETS			



SECURE MAGNETS IN PLACE WITH ADHESIVE, LOCTITE SUPERBONDER OR SURFACES TO BE THOROUGHLY CLEAN BEFORE APPLYING ADHESIVE



SECURE THREADS WITH LOCTITE 00 902 0030 0

SEE DETAIL "B"

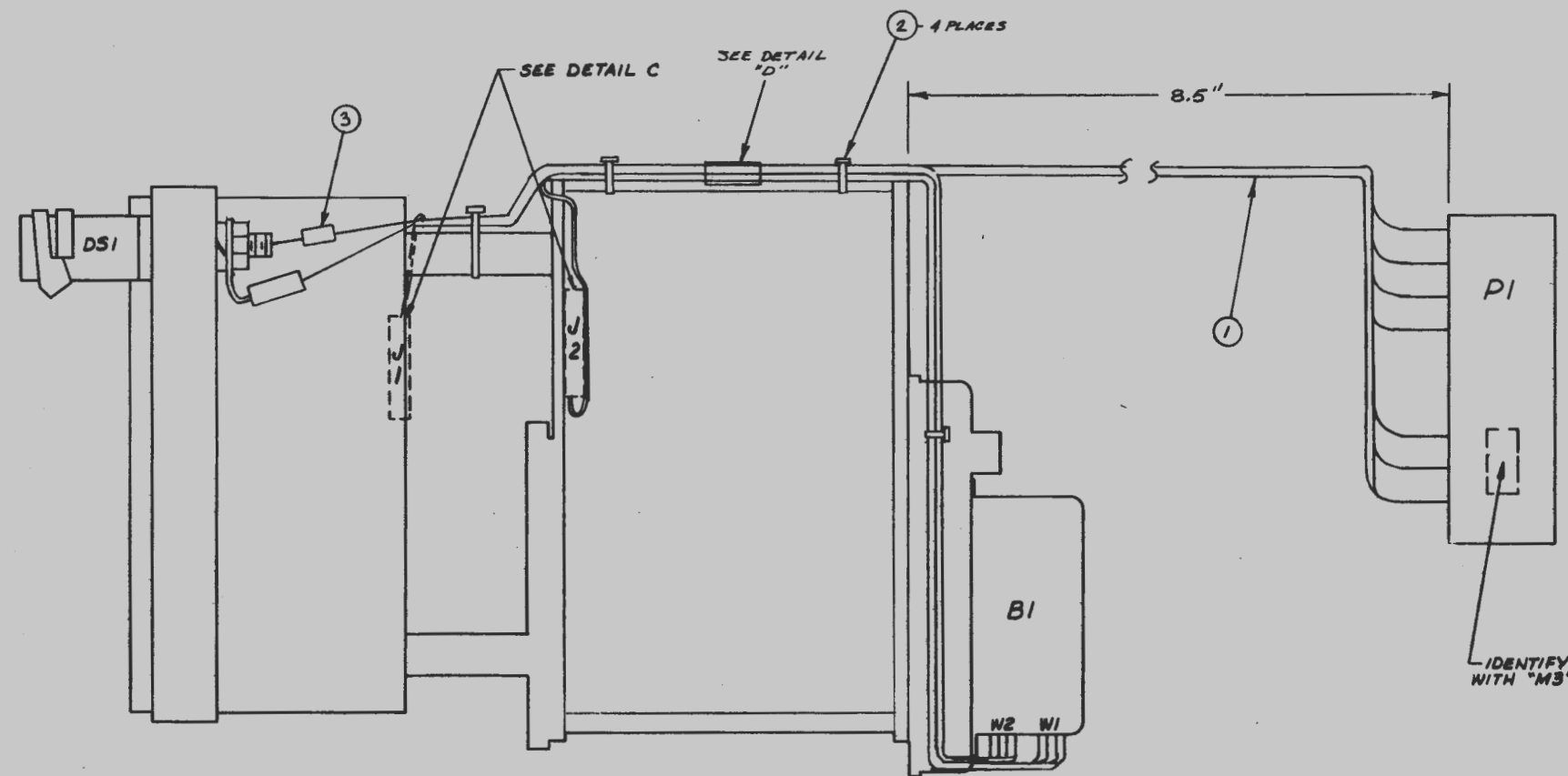
RELEASED FOR PRODUCTION	ENGR	DATE
NO.	REVISIONS	APPROV
L1	ITEMS 10 & 11 WERE REVERSED. 3 SEPT 80 REM	10
1	ADDED ITEMS 73, 77, 79, 112 & 115. SHORTEN SHAF ITEM 48. ADDED DIAL ADJUST HOLE ON ITEM 37. MODIFIED SPRING ITEM 47. 10-8-80 JEV 810-176-0	3M
1a	-1 VAE WAS DDT SPEC. 10-19-80 JEV	3M
2	AREA D3 ADDED BALLOONS FOR ITEMS 52 & 88 23 JAN 81 810-269-0	3M
3	AREA B5 & D3 ADDED ITEM 26. AREA B, D2 ADDED S. POLE INFO. AREA G5 ADDED CONTACTS & LEAD TO J1 & J2. 21 FEB 81 810-294-0	3M
4	DELETED CALLOUT 91 AREA F-5 (LUG IS NOT PART OF HARNESS) FROM DSI TERM. REV'D SHT 2. 8 Apr 81 810-352-0	3M
4a	AREA G7 DELETED ITEM 99 NEXT TO BALLOON 102. ADDED LOCTITE NOTE. REV'D SHT 2. 21 SEP 80 0-810-172	3M

EAI		MATERIAL SEE PARTS LIST.	
ASSEMBLY		FINISH: H	
ALTIMETER		SCALE 2:1	
(D10)		SEE VARIATION TABLE	
SHT NO 2	REV. NO 4	DATE 25 JUNE 80	DATE 9-3-80
SIZE D	PRODUCT D00 C48 C057 09	DATE 9-3-80	DATE 9/05/80
SHEET 1 OF 2 SHEETS			

NUMBER	DESCRIPTION	USED ON
1A	ALTIMETER (MILLIBARS)	
	ALTIMETER (INCHES Hg)	



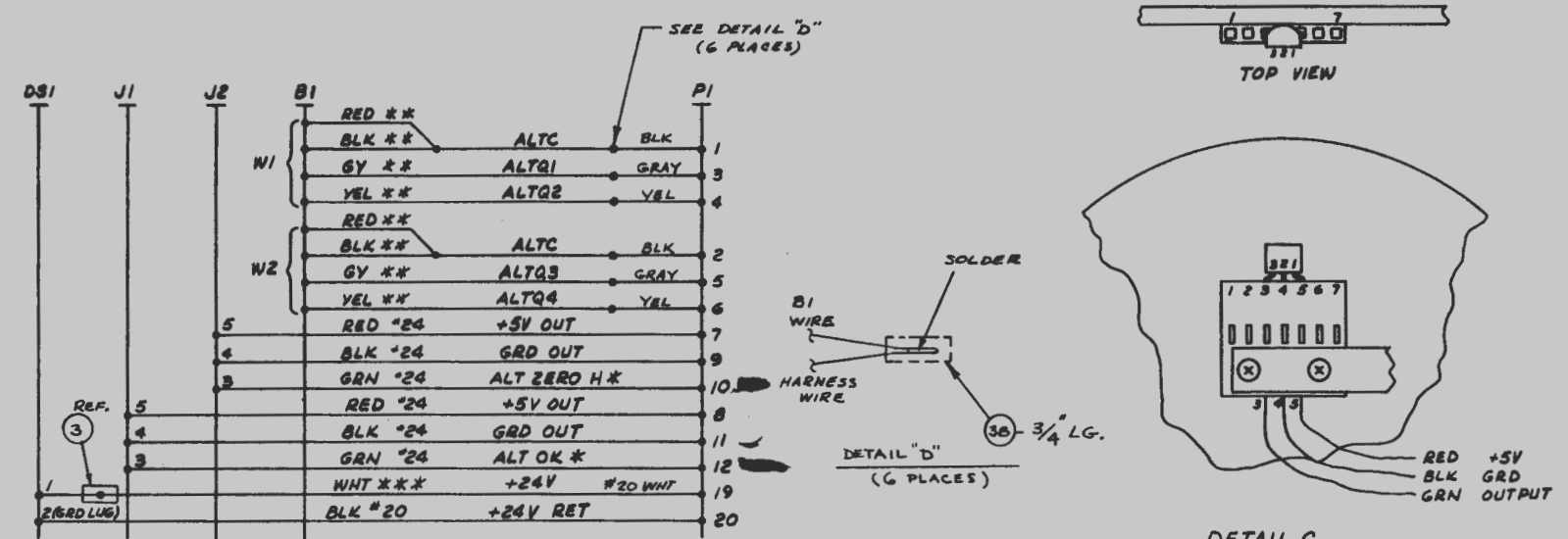
NOTES:  
 1. IF WIRE SUPPLIED WITH METER IS NOT LONG ENOUGH, SPLICE ADDITIONAL WIRE TO EXISTING WIRES.



1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20

INSTALL LOCATING KEY IN POSITION #18

WIRING SIDE



\*\* WIRE SUPPLIED WITH METER  
 \*\*\* WIRE SUPPLIED WITH LIGHT

WIRING DIAGRAM

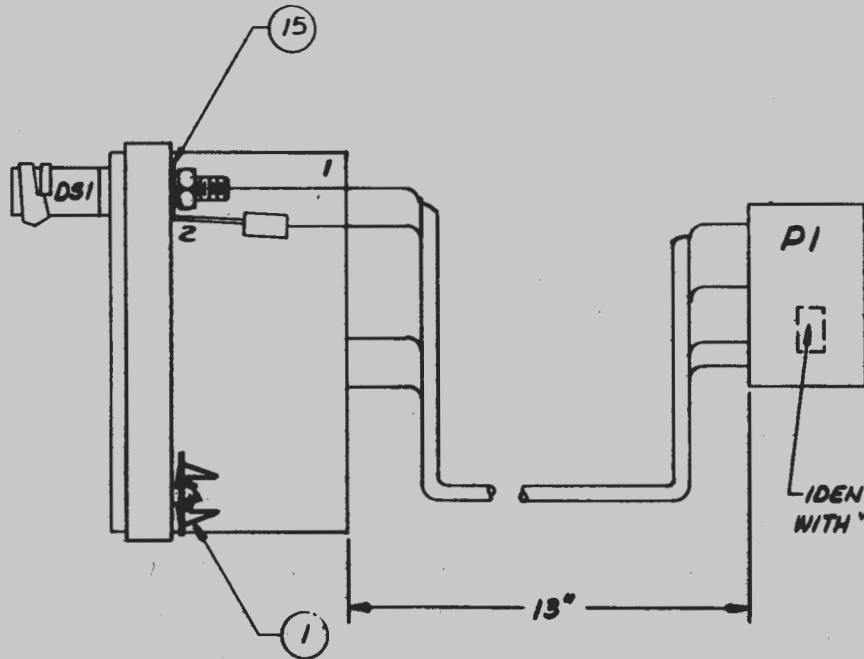
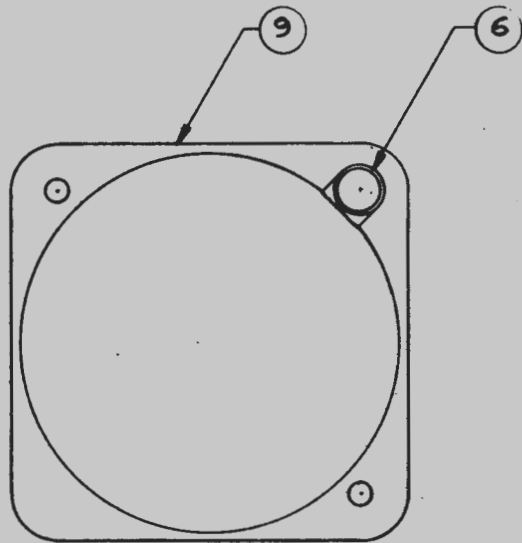
MATERIAL:		REV. NO. THIS		SHT NO.	
FINISH:		DATE		SIZE	
UNLESS OTHERWISE SPECIFIED		E.S. METHE 5-29-80		REV. NO.	
DESIGNED BY		DATE		PROJECT	
CHECKED BY		DATE		108888	
DRAWN BY		DATE		D00 048 0057 0A	
MATERIAL		DATE		SHEET # OF SHEETS	

REV.	DESCRIPTION	DATE
1	EXTENSIVE CHANGES MADE (HARNESS ADDED) SEE WIRING REV 0 COPY IN REPAIR (B) 8 Apr 81 00-352-0	
2	AREA F-3 TOP VIEW SECURING SCREWS WERE PHPS, AND PHMS. 21 SEP 82 0-310-112	

EAI

A B C D E F G H I J

8  
7  
6  
5  
4  
3  
2  
1



IDENTIFY PIN \*1 WITH RED DOT ON SIDE OF CONNECTOR

1	2
3	4
5	6
7	8
9	10

WIRING SIDE

INSTALL LOCATING KEY IN POS \*6

RELEASED FOR PRODUCTION	DATE
04	AREA C-3, ADDED ITEM 5, 20 NOV 80 0-810-30
1	MOVED WIRING INFO TO SHT 2, WITH REVISED M2 CMI COL. WERE INTERCHANGED. ADDED SHT 2, 3 APR 81 @ 10 335 1

M4

EAI ELECTRONIC ASSOCIATES, INC. One East Street, N.J.

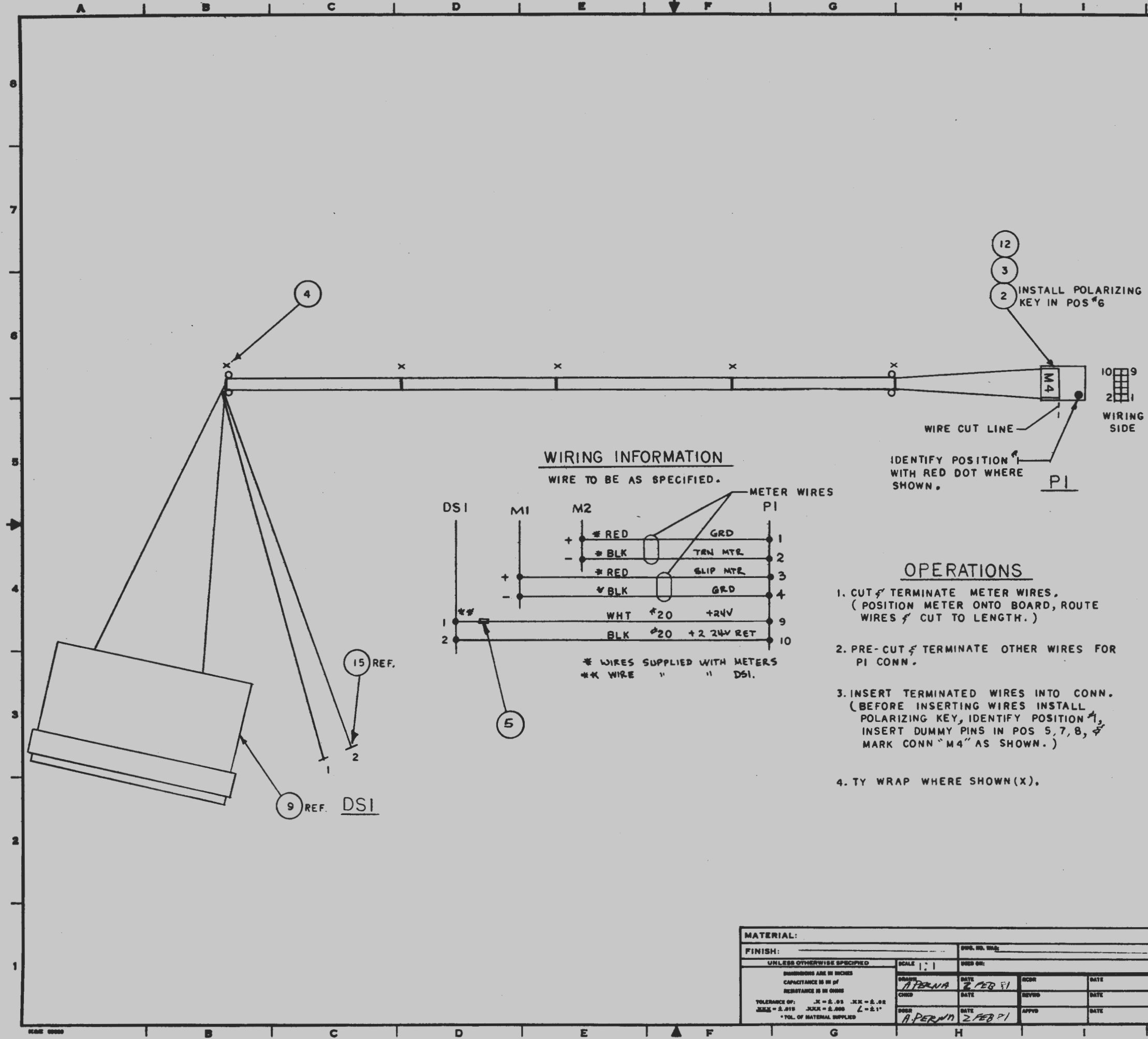
ASSEMBLY METER, TURN COORDINATOR (310)

MATERIAL: SEE PARTS LIST A00 048 0059 OP	
FINISH: H	SCALE 1:1
UNLESS OTHERWISE SPECIFIED	DRG NO. H
DIMENSIONS ARE IN INCHES	DRG OR: A00 048 0059 OP
CAPACITANCE IS IN pF	DATE: 14 JULY 80
RESISTANCE IS IN OHMS	DATE: 3-5-80
VALERIA	DATE: 9-3-80
DATE: 9-3-80	DATE: 9/4/80
DATE: 9-3-80	DATE: 9/4/80

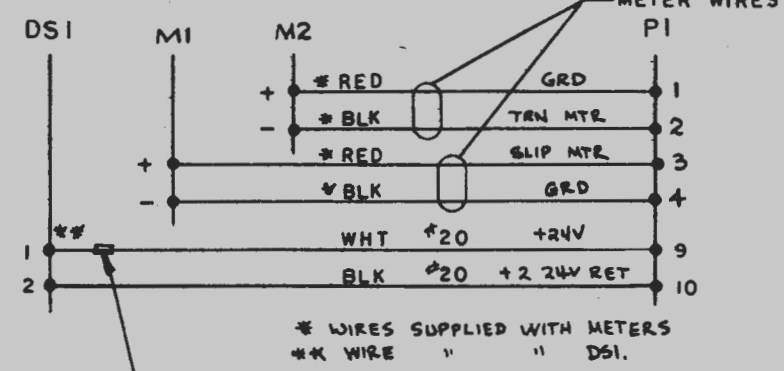
SHT NO. 2	REV. NO. L4
SIZE C	PROJECT 103560
PROJECT 103560	C00 048 0059 OP
SHEET 1 OF 3 SHEETS	

FORM 8000

B C D E F G H I J



**WIRING INFORMATION**  
WIRE TO BE AS SPECIFIED.



IDENTIFY POSITION WITH RED DOT WHERE SHOWN.

**OPERATIONS**

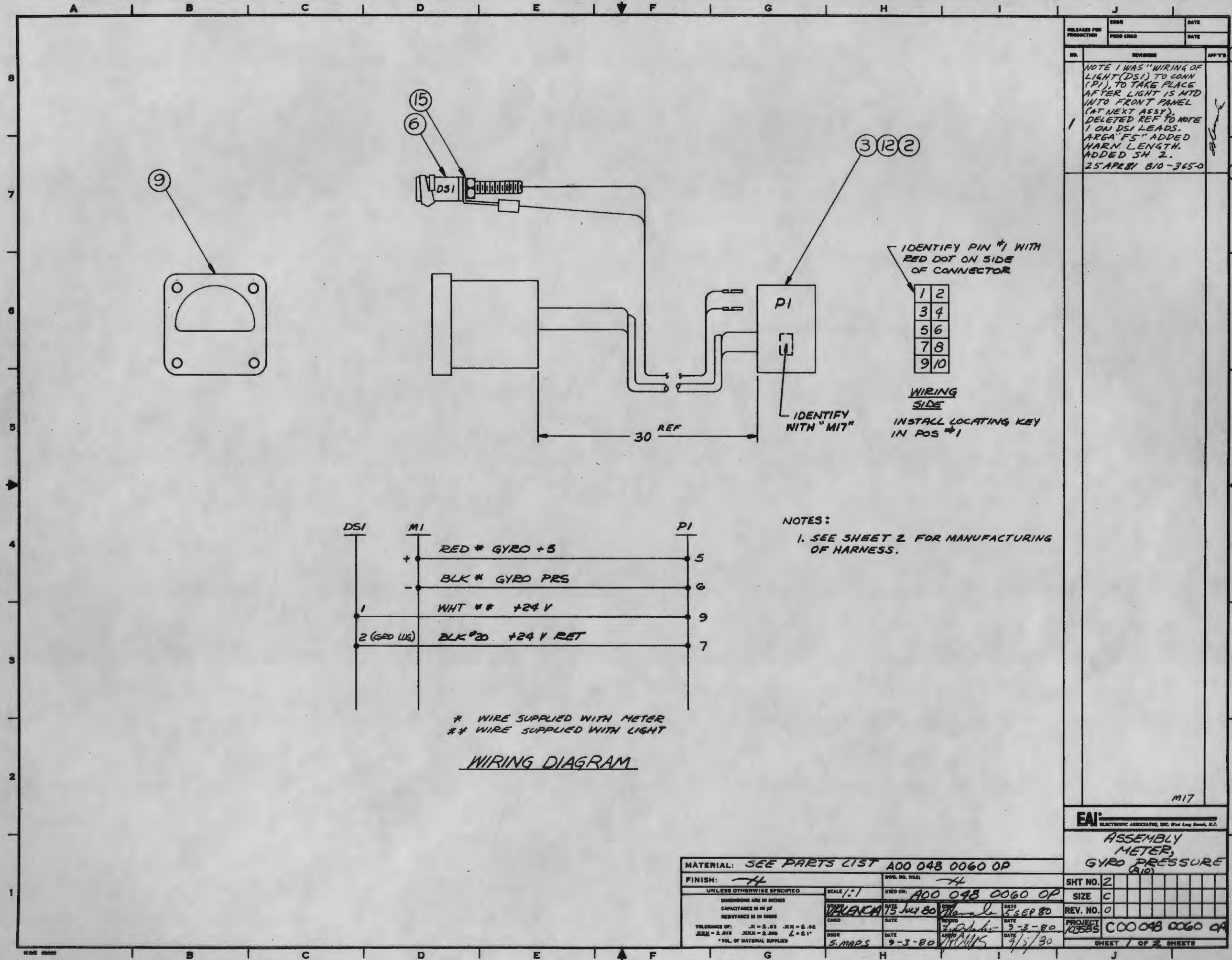
1. CUT & TERMINATE METER WIRES. (POSITION METER ONTO BOARD, ROUTE WIRES & CUT TO LENGTH.)
2. PRE-CUT & TERMINATE OTHER WIRES FOR PI CONN.
3. INSERT TERMINATED WIRES INTO CONN. (BEFORE INSERTING WIRES INSTALL POLARIZING KEY, IDENTIFY POSITION, INSERT DUMMY PINS IN POS 5, 7, 8, & MARK CONN "M4" AS SHOWN.)
4. TY WRAP WHERE SHOWN (X).

RELEASED FOR PRODUCTION	DATE
FORM 800	DATE
NO.	REVISED
11	INTERCHG'D M1542 3 APR 51 @10-3550

<b>EAI</b> ELECTRONIC ASSOCIATES, INC. Fort Lee, N.J.	
ASSEMBLY HARNESS METER TURN COORDINATOR (810)	
SHT NO.	1
SIZE	
REV. NO.	
PROJECT	C00 048 0059 OA
SHEET 2 OF 2	

<b>MATERIAL:</b>		FINISH:		SCALE 1:1	
UNLESS OTHERWISE SPECIFIED		DRAWN: A. PERMAN		DATE: 2 FEB 51	
DIMENSIONS ARE IN INCHES		CHECKED: A. PERMAN		DATE: 2 FEB 51	
CAPACITANCE IS IN PF		DATE: 2 FEB 51		DATE: 2 FEB 51	
RESISTANCE IS IN OHMS		DATE: 2 FEB 51		DATE: 2 FEB 51	
TOLERANCE OF: .XX = ±.05 .XX = ±.02		DATE: 2 FEB 51		DATE: 2 FEB 51	
.XXX = ±.015 .XXX = ±.008		DATE: 2 FEB 51		DATE: 2 FEB 51	
.L = ±.1"		DATE: 2 FEB 51		DATE: 2 FEB 51	
* VOL. OF MATERIAL SUPPLIED		DATE: 2 FEB 51		DATE: 2 FEB 51	





RELEASED FOR PRODUCTION: [ ]  
 ENGR: [ ] DATE: [ ]  
 PROD ENGR: [ ] DATE: [ ]

NO. [ ] REVISIONS [ ] APP'Y'S [ ] PC [ ]

NOTE 1 WAS "WIRING OF LIGHT (DSI) TO CONN (PI), TO TAKE PLACE AFTER LIGHT IS MTD INTO FRONT PANEL (AT NEXT ASSY). DELETED REF TO NOTE 1 ON DSI LEADS. AREA "F5" ADDED HARN. LENGTH. ADDED SH 2. 25 APR 81 810-365-0 [Signature]

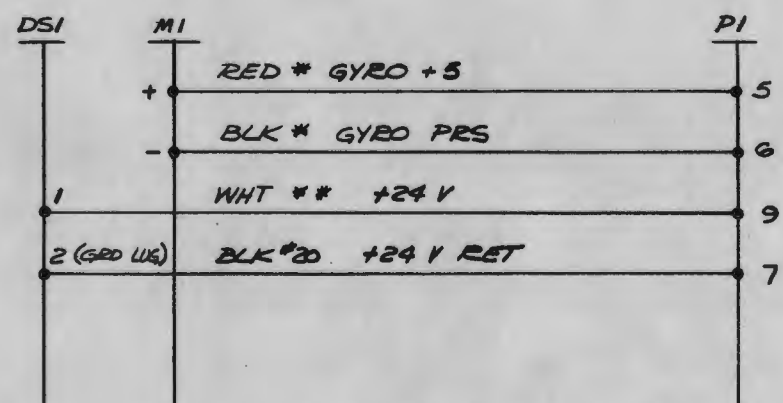
PC [ ]

IDENTIFY PIN #1 WITH RED DOT ON SIDE OF CONNECTOR

1	2
3	4
5	6
7	8
9	10

WIRING SIDE  
 INSTALL LOCATING KEY IN POS #1

NOTES:  
 1. SEE SHEET 2 FOR MANUFACTURING OF HARNESS.



\* WIRE SUPPLIED WITH METER  
 \*\* WIRE SUPPLIED WITH LIGHT

WIRING DIAGRAM

MATERIAL: SEE PARTS LIST A00 048 0060 OP

FINISH: H Dwg. No. H

UNLESS OTHERWISE SPECIFIED SCALE: 1:1 USED ON: A00 048 0060 OP

DIMENSIONS ARE IN INCHES DATE: 75 JULY 80

CAPACITANCE IS IN PF DATE: 5 SEP 80

RESISTANCE IS IN OHMS

TOLERANCE OF: .R = ±.03 .R/R = ±.08 DATE: 3-3-80

.R/RX = ±.015 .R/RX = ±.025 L = ±.1" DATE: 9-3-80

\*VOL. OF MATERIAL SUPPLIED S. MARPS DATE: 9/3/80

EAI ELECTRONIC ASSOCIATES, INC. One Low Street, N.J.

ASSEMBLY METER, GYRO PRESSURE (B10)

SHT NO. 2

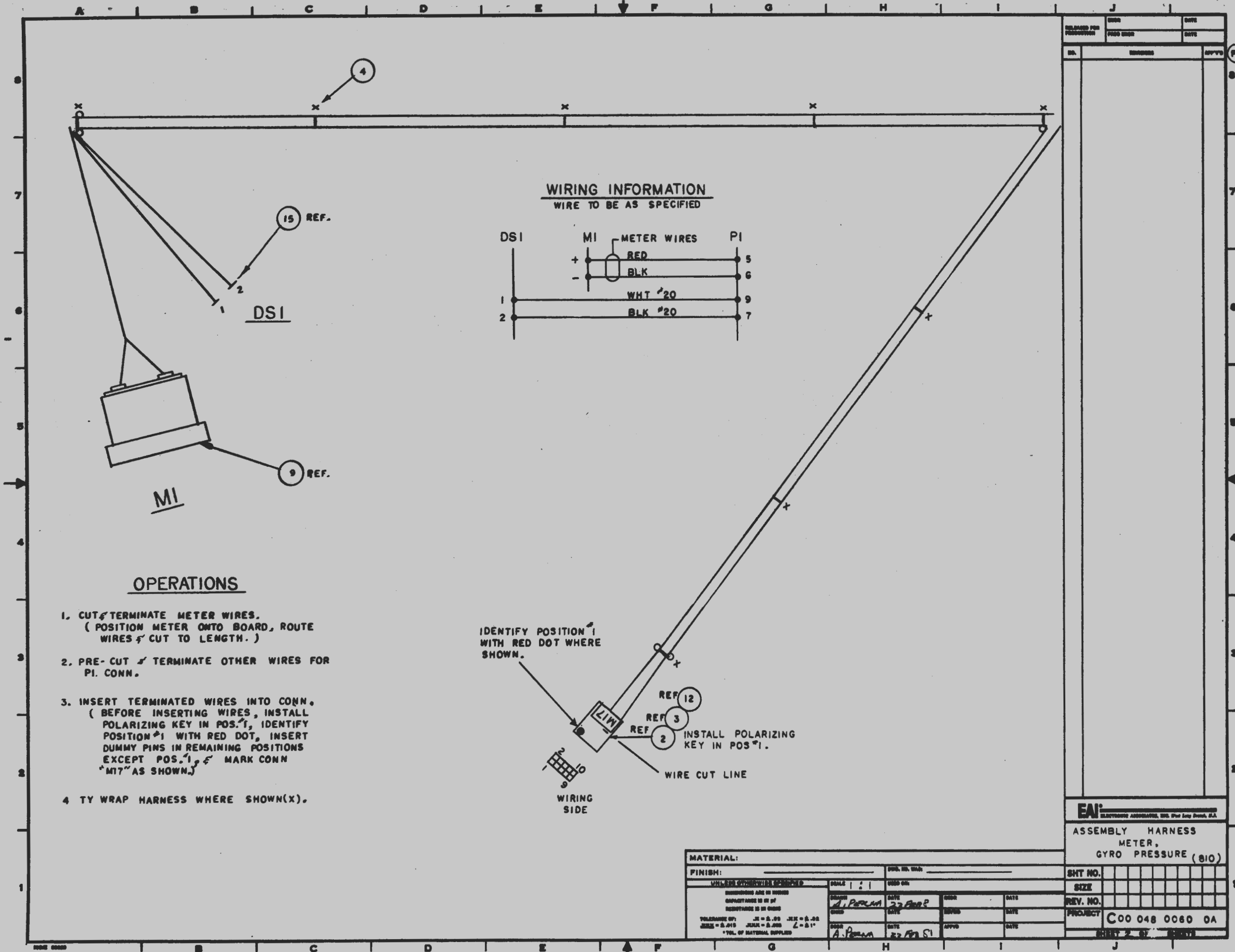
SIZE C

REV. NO. 0

PROJECT C00 048 0060 OP

103585

SHEET 1 OF 2 SHEETS

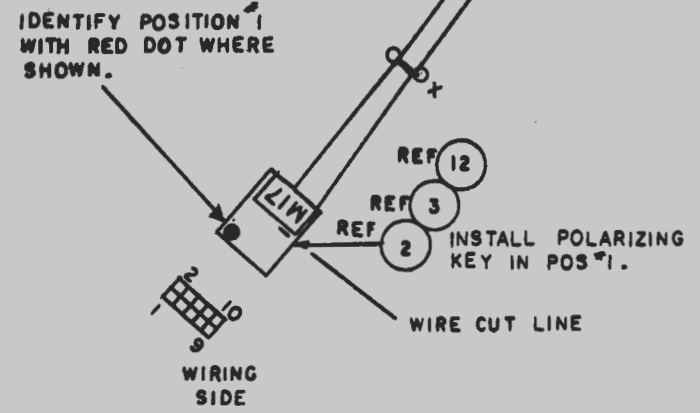


**WIRING INFORMATION**  
WIRE TO BE AS SPECIFIED

DSI	MI	METER WIRES	PI
1	+	RED	5
2	-	BLK	6
		WHT #20	9
		BLK #20	7

**OPERATIONS**

- CUT & TERMINATE METER WIRES. (POSITION METER ONTO BOARD, ROUTE WIRES & CUT TO LENGTH.)
- PRE-CUT & TERMINATE OTHER WIRES FOR PI. CONN.
- INSERT TERMINATED WIRES INTO CONN. (BEFORE INSERTING WIRES, INSTALL POLARIZING KEY IN POS. 1, IDENTIFY POSITION 1 WITH RED DOT, INSERT DUMMY PINS IN REMAINING POSITIONS EXCEPT POS. 1, & MARK CONN "M17" AS SHOWN.)
- TY WRAP HARNESS WHERE SHOWN(X).

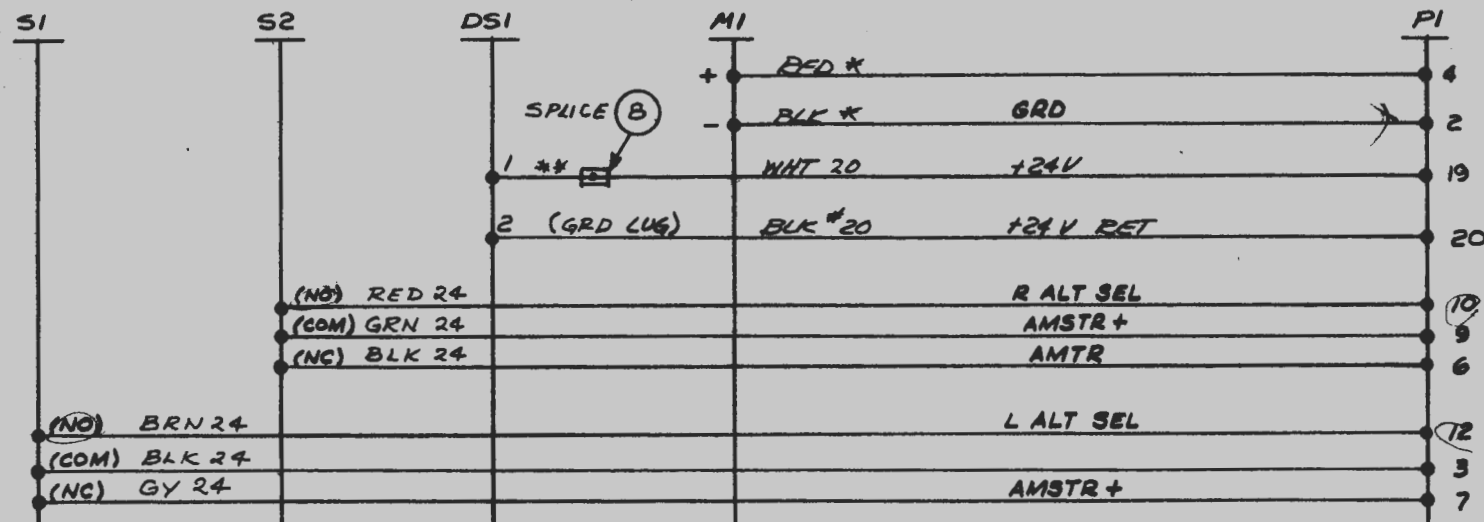
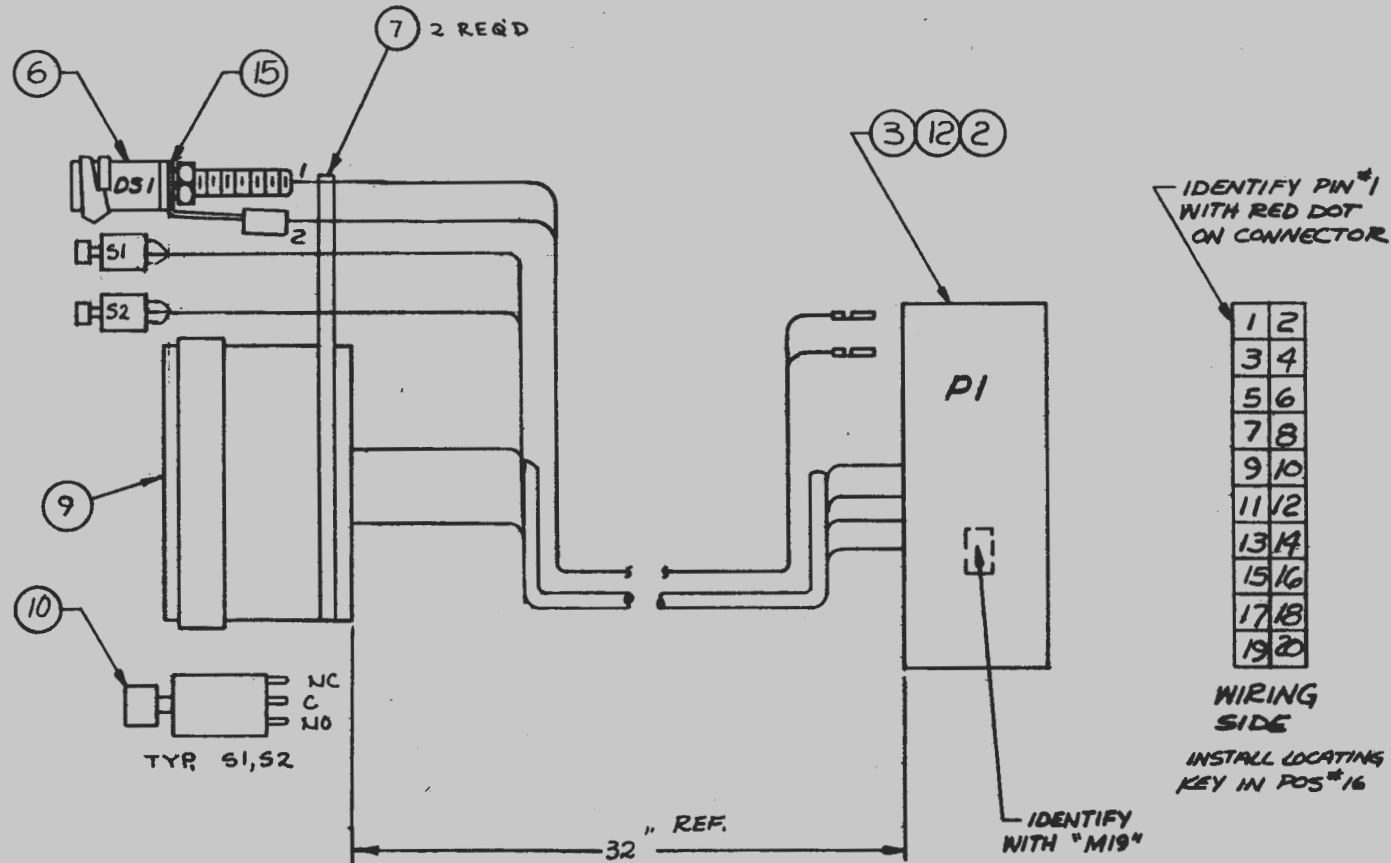
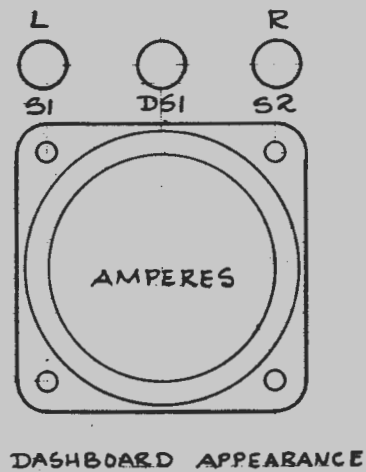


RELEASED FOR PRODUCTION	DATE	
ISSUED	DATE	
NO.	REVISED	APPROV.
<p><b>EAI</b> ELECTRONIC ASSEMBLY, INC. 100 Long Beach, B.C.</p> <p>ASSEMBLY HARNESS METER, GYRO PRESSURE (810)</p>		
SHT NO.	SIZE	REV. NO.
		PROJECT
		C00 048 0060 0A
		SHEET 2 OF 2

**MATERIAL:**

FINISH:	DATE	DATE	DATE
DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE

TOLERANCE: .125 = .000 .125 = .000 .125 = .000  
 .125 = .000 .125 = .000 .125 = .000  
 \*VOL. OF MATERIAL SUPPLIED



NOTES:

1. SEE SHEET 2 FOR MANUFACTURING OF HARNESS.

\* WIRE SUPPLIED WITH METER  
\*\* WIRE SUPPLIED WITH LIGHT

WIRING DIAGRAM

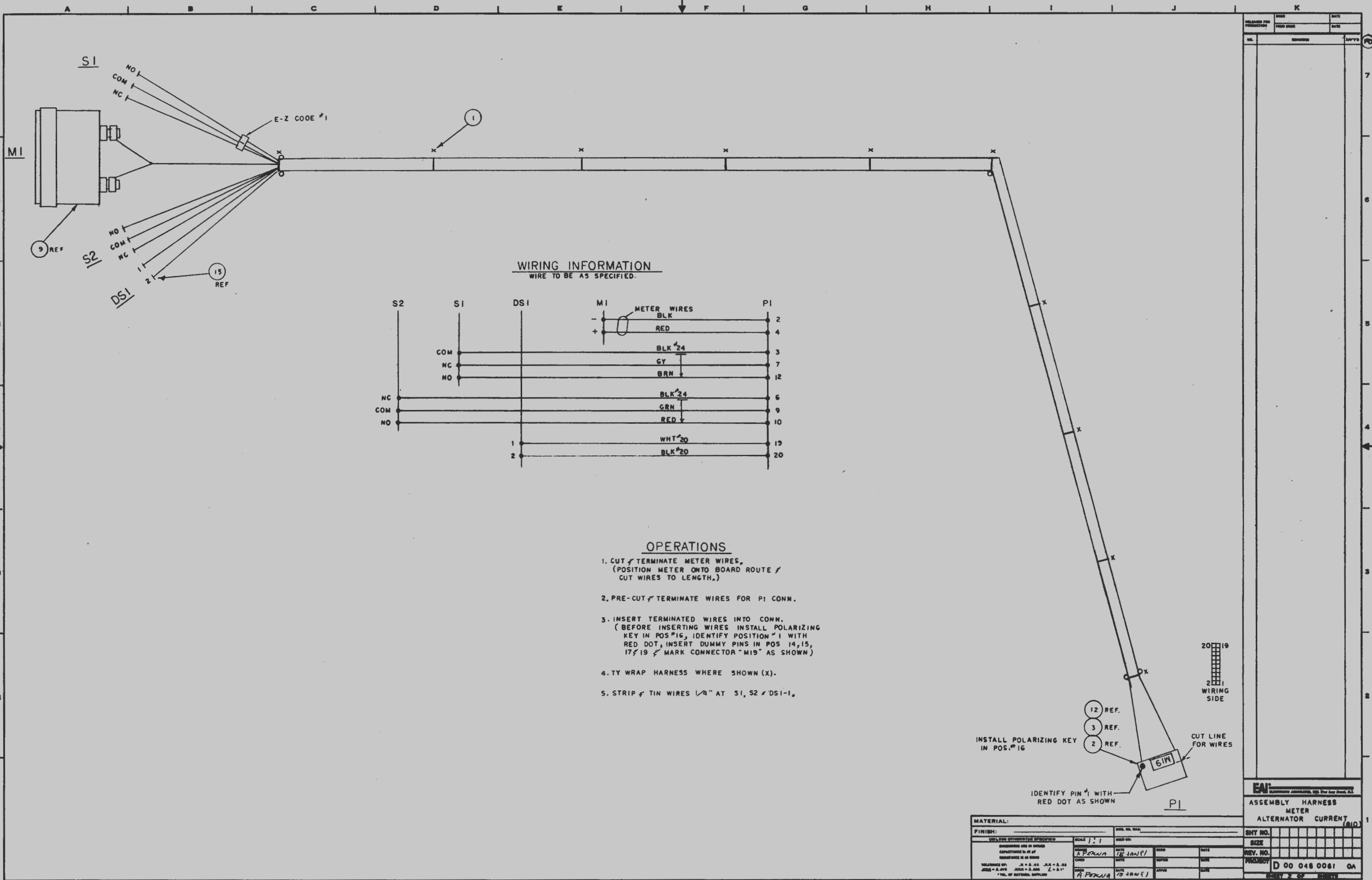
RELEASED FOR PRODUCTION	DATE
PROD. ORDER	DATE
NO.	REV.
LI	ADDED ITEMS 74 B
	19 DEC 80 0-810-47
NOTE 1 WAS WIRING OF LIGHT (DS1) TO COM (PI) TO TAKE PLACE AFTER LIGHT IS MTD INTO NEXT PANEL (AT NEXT ASSY). DELETED REF TO NOTE 1 AT DS1 LEADS. 26 APR 81 810-366-0	

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20

EAI ELECTRONIC ASSOCIATES, INC. 3rd Ave South, S.F.	
ASSEMBLY METER, ALTERNATOR CURRENT (S10)	
SHT NO. 2	SIZE D
REV. NO. 0	PROJECT 103585
C00 048 0061 CA	
SHEET 1 OF 2 SHEETS	

MATERIAL: SEE PARTS LIST A00 048 0061 OP	
FINISH: H	SCALE: H
UNLESS OTHERWISE SPECIFIED	USED ON: A00 048 0061 OP
DIMENSIONS ARE IN INCHES	DATE: 15 JULY 80
CAPACITANCE IS IN PF	DATE: 5 SEP 80
RESISTANCE IS IN OHMS	DATE: 9-3-80
TOLERANCE OF: .X = ±.03 .XX = ±.01	DATE: 9/2/80
SIZE = 2.018 .X = ±.005 L = ±.1	DATE: 9-3-80
* TOL. OF MATERIAL SUPPLIED	DATE: 9-3-80





**WIRING INFORMATION**  
WIRE TO BE AS SPECIFIED.

S2	S1	DS1	MI	METER WIRES	PI
			-	BLK	2
			+	RED	4
	COM			BLK #24	3
	NC			GY	7
	NO			BRN	12
NC				BLK #24	6
COM				GRN	9
NO				RED	10
		1		WHT #20	19
		2		BLK #20	20

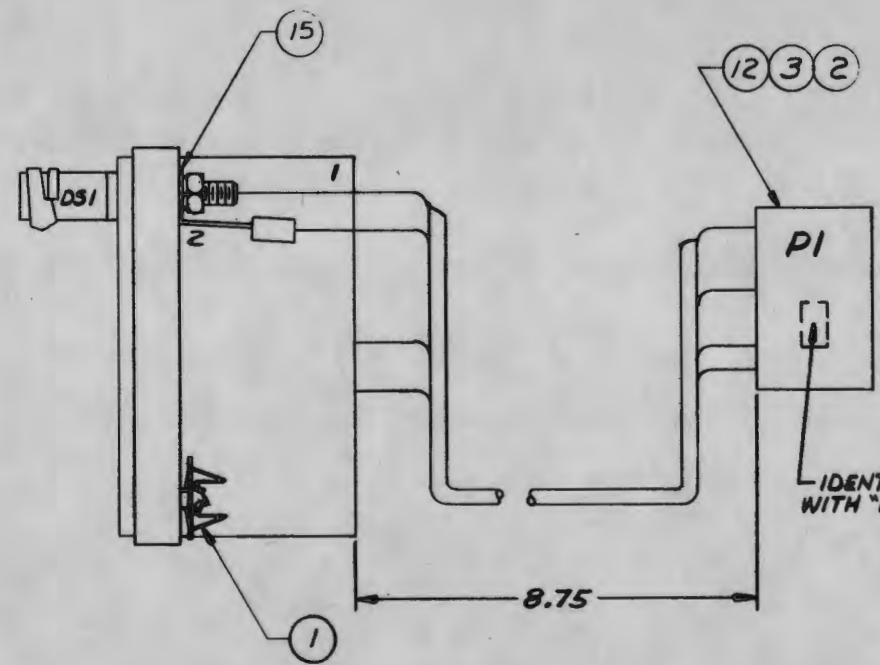
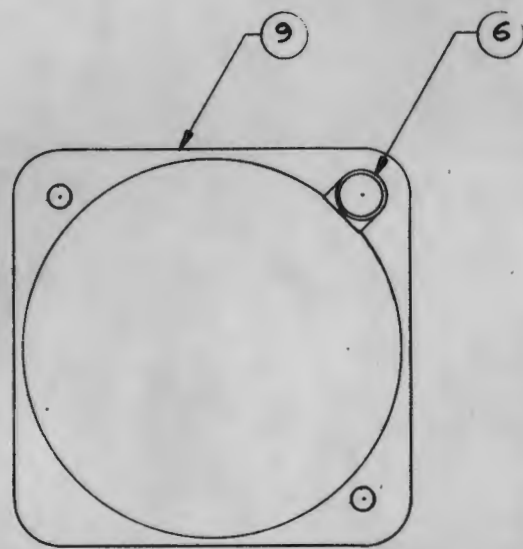
**OPERATIONS**

- CUT & TERMINATE METER WIRES. (POSITION METER ONTO BOARD ROUTE & CUT WIRES TO LENGTH.)
- PRE-CUT & TERMINATE WIRES FOR PI CONN.
- INSERT TERMINATED WIRES INTO CONN. (BEFORE INSERTING WIRES INSTALL POLARIZING KEY IN POS #16, IDENTIFY POSITION #1 WITH RED DOT, INSERT DUMMY PINS IN POS 14, 15, 17 & 19 & MARK CONNECTOR "M19" AS SHOWN)
- TY WRAP HARNESS WHERE SHOWN (X).
- STRIP & TIN WIRES 1/4" AT S1, S2 & DS1-1.

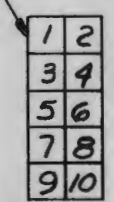
MATERIAL:		REV. NO. 010		SHT NO.	
FINISH:		SCALE 1:1	DATE 15 JAN 51	REV. NO.	SIZE
VOLTAAGE 0P. .1 = A .03 .1A = 0.03		DATE 15 JAN 51	REV. NO.	PART NO. D 00 048 0061 0A	
RESISTANCE IN OHMS		DATE 15 JAN 51	REV. NO.	SHEET 2 OF 2	
VOLTAAGE 0P. .1 = A .03 .1A = 0.03		DATE 15 JAN 51	REV. NO.		
RESISTANCE IN OHMS		DATE 15 JAN 51	REV. NO.		

RELEASED FOR PRODUCTION: [ ] DATE: [ ]  
 PROD. ORDER: [ ] DATE: [ ]  
 NO. [ ] REVISED: [ ] APPROV: [ ]  
 7  
 6  
 5  
 4  
 3  
 2  
 1

**EAI**  
 ASSEMBLY HARNESS  
 METER  
 ALTERNATOR CURRENT (AIO)



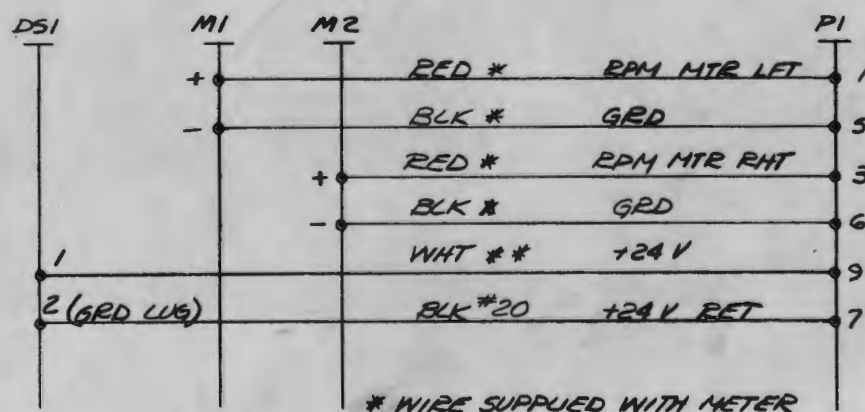
IDENTIFY PIN \*1 WITH RED DOT ON SIDE OF CONNECTOR



WIRING SIDE

INSTALL LOCATING KEY IN POS \*4

NOTES:  
1. SEE SHEET 2 FOR MANUFACTURING OF HARNESS.



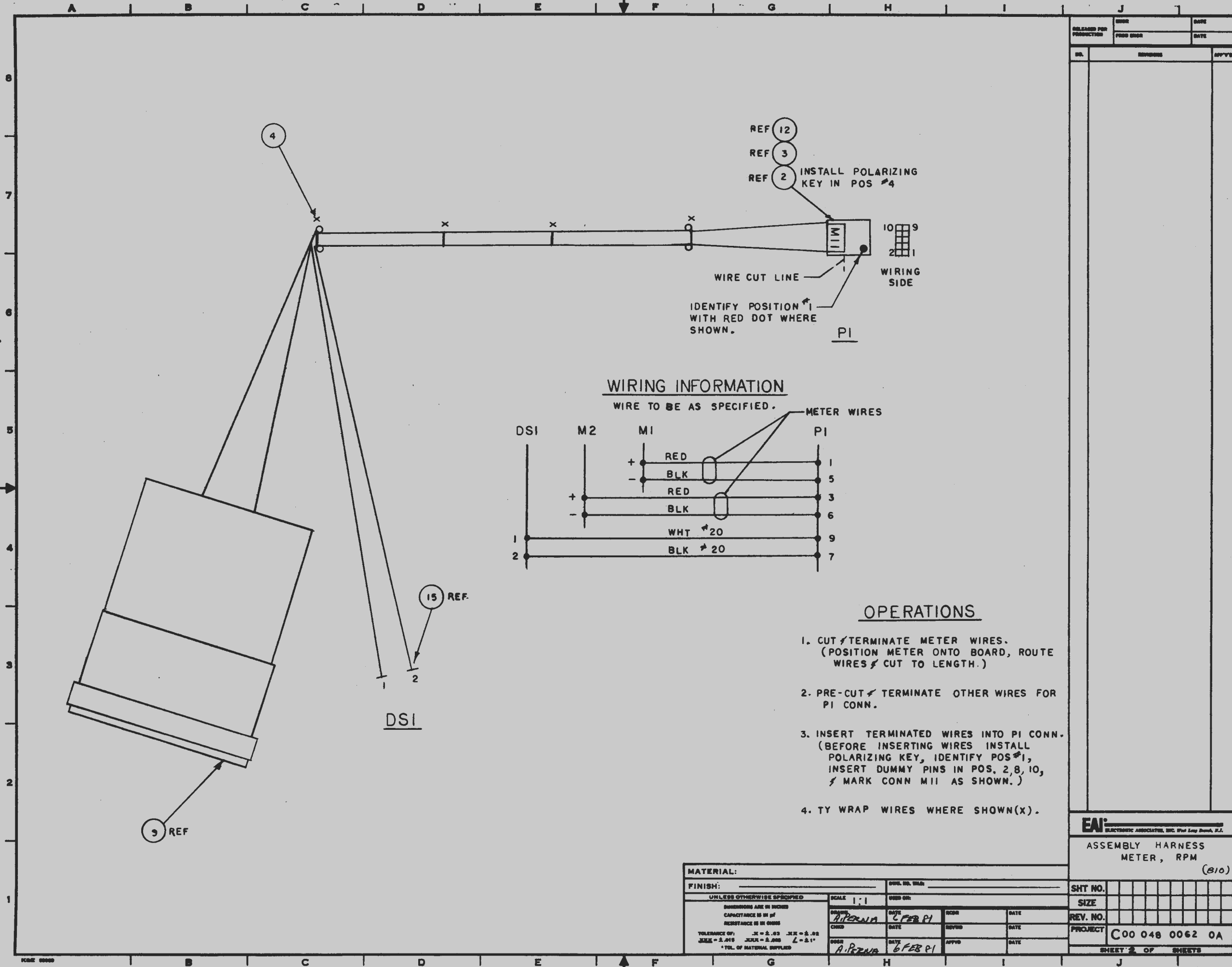
\* WIRE SUPPLIED WITH METER  
\*\* WIRE SUPPLIED WITH LUG

WIRING DIAGRAM

MATERIAL: SEE PARTS LIST A00 048 0062 OP			
FINISH: H	QTY. REQ. H	DATE: 9-3-80	BY: S. MAPS
UNLESS OTHERWISE SPECIFIED		SCALE: 1:1	SIZE: A00 048 0062 OP
DIMENSIONS ARE IN INCHES		DATE: 7-1-80	DATE: 5-5-80
CAPACITANCE IS IN pF		DATE: 7-1-80	DATE: 3-3-80
RESISTANCE IS IN OHMS		DATE: 7-1-80	DATE: 9/4/80
TOLERANCE OF: .X = ±.03 .XK = ±.02		DATE: 9-3-80	DATE: 9/4/80
.XKX = ±.010 .XKXK = ±.005 L = ±.01"			
* VOL. OF MATERIAL SUPPLIED			

RELEASED FOR PRODUCTION	ENGR	DATE
PROG ENGR		DATE
NO.	REVISED	APP'Y'S
ADDED SH 2 & NOTE 1. ADDED 8.75 DIM IN AREA F5. 25A/R81 810-364-0		

EAI ELECTRONIC ASSOCIATES, INC. First Long Beach, N.J.	
ASSEMBLY METER, RPM (910)	
SHT NO. 2	SIZE C
REV. NO. 0	PROJECT 103586
A00 048 0062 OP	
SHEET 1 OF 2 SHEETS	



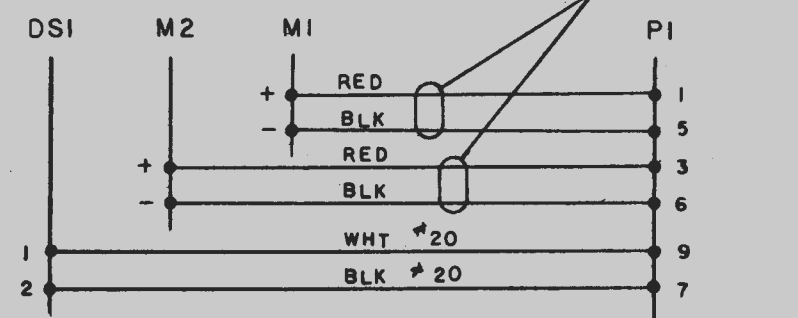
REF 12  
 REF 3  
 REF 2 INSTALL POLARIZING KEY IN POS #4



WIRE CUT LINE  
 IDENTIFY POSITION #1 WITH RED DOT WHERE SHOWN.  
 PI

**WIRING INFORMATION**

WIRE TO BE AS SPECIFIED.



**OPERATIONS**

- CUT & TERMINATE METER WIRES. (POSITION METER ONTO BOARD, ROUTE WIRES & CUT TO LENGTH.)
- PRE-CUT & TERMINATE OTHER WIRES FOR PI CONN.
- INSERT TERMINATED WIRES INTO PI CONN. (BEFORE INSERTING WIRES INSTALL POLARIZING KEY, IDENTIFY POS #1, INSERT DUMMY PINS IN POS. 2, 8, 10, & MARK CONN M11 AS SHOWN.)
- TY WRAP WIRES WHERE SHOWN(X).

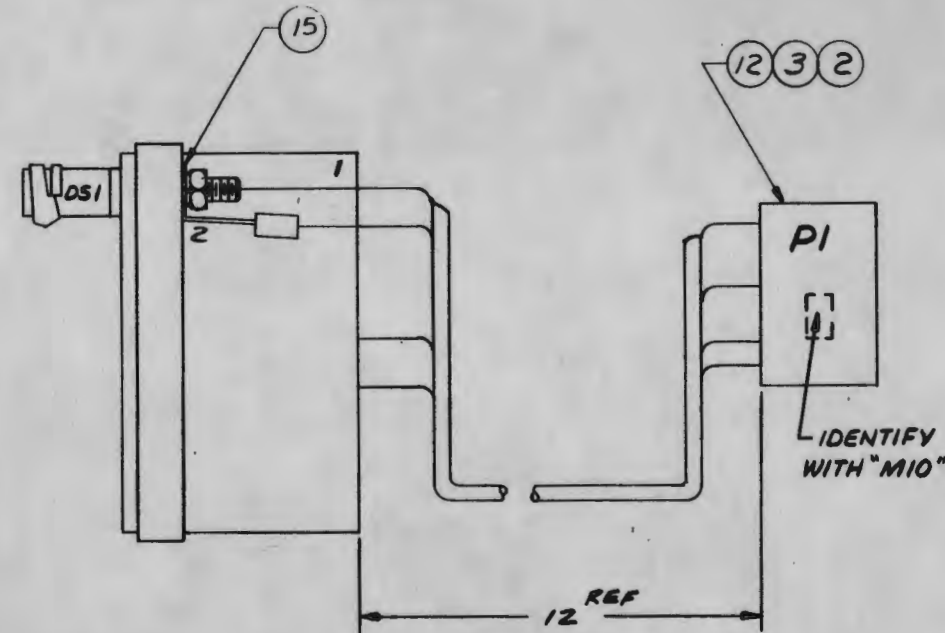
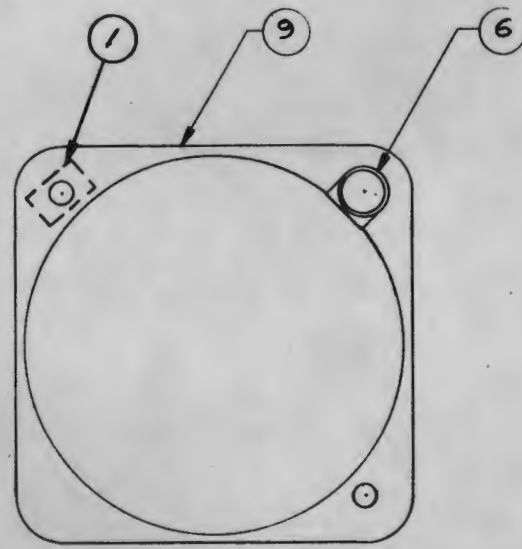
**EAI**  
 ELECTRONIC ASSOCIATES, INC. One Long Beach, B.C.

ASSEMBLY HARNESS  
 METER, RPM  
 (810)

<b>MATERIAL:</b>		DWS. NO. 010:	
<b>FINISH:</b>		USED ON:	
UNLESS OTHERWISE SPECIFIED		SCALE 1:1	DATE
DIMENSIONS ARE IN INCHES		DATE 6 FEB 51	DATE
CAPACITANCE IS IN PF		DATE	DATE
RESISTANCE IS IN OHMS		DATE	DATE
TOLERANCE OF: .X = ±.03 .X.X = ±.02		DATE	DATE
.X.X.X = ±.010 .X.X.X.X = ±.005 L = ±.1"		DATE	DATE
*TOL. OF MATERIAL SUPPLIER		DATE 6 FEB 51	DATE

SHT NO.	
SIZE	
REV. NO.	
PROJECT	C00 048 0062 0A
SHEET 2 OF SHEETS	





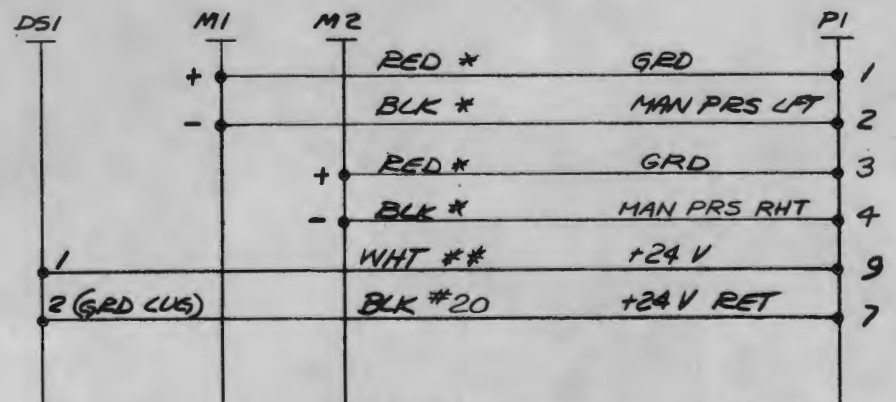
IDENTIFY PIN #1 WITH RED DOT ON SIDE OF CONNECTOR

1	2
3	4
5	6
7	8
9	10

WIRING SIDE  
INSTALL LOCATING KEY IN POS #5

IDENTIFY WITH "M10"

NOTES:  
1. SEE SHEET 2 FOR MANUFACTURING HARNESS.



\* WIRE SUPPLIED WITH METER  
\*\* WIRE SUPPLIED WITH LIGHT

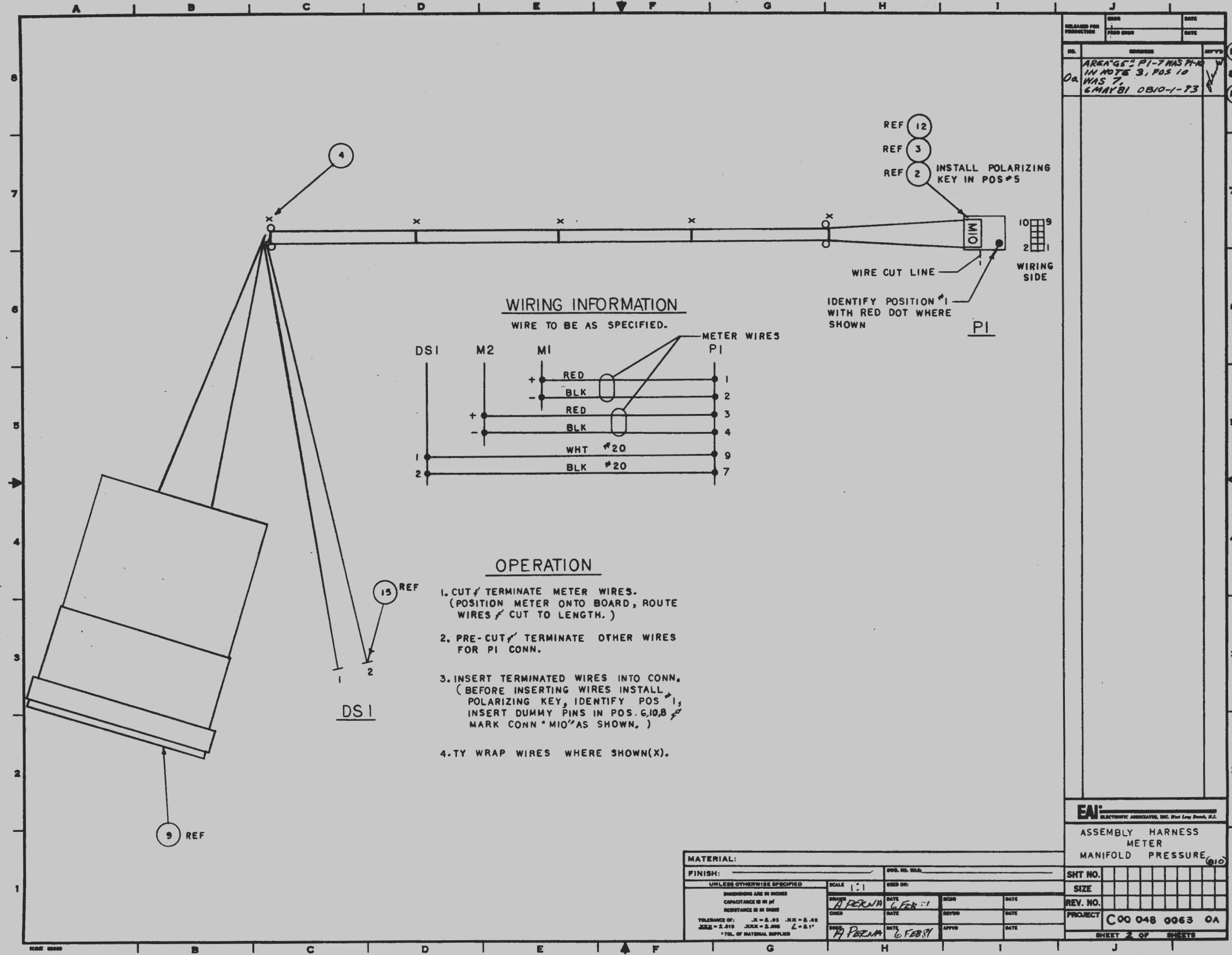
WIRING DIAGRAM

NO.	REVISION	DATE
1	PI-3 GRD WAS PI-4 MAN PRS RHT PI-4 MAN PRS RHT WAS PI-3 GRD. BIO-259-0 1/6/81 JLM	
2	AREA "F6" ADDED 12 DIM. ADDED NOTE 1. ADDED SHEET 2 25APR81 BIO-363-0	
2a	AREA "B7" ITEM 1 WAS NOT SHOWN. DELETED ITEM 1 FROM DIAGONALLY OPPOSITE CORNER 2 MAY 81 0810-1-82	
2b	SH 2 REVISED. 24 MAY 81 0-810-1-93	

EAI ELECTRONIC ASSEMBLY INC. 4701 Long Beach, B.C.

ASSEMBLY METER MANIFOLD PRESSURE (BIO)

MATERIAL: SEE PARTS LIST A00 048 0063 OP		DWG. NO. WAS: H		SHT NO. 2
FINISH: H		SCALE 1:1		SIZE C
UNLESS OTHERWISE SPECIFIED		USED ON: A00 048 0063 OP		REV. NO. 0
DIMENSIONS ARE IN INCHES		DATE: 14 JULY 80	DATE: 5 SEP 80	PROJECT 10358b
CAPACITANCE IS IN PF		DATE: 23 SEP 80	DATE: 23 SEP 80	C00 048 0063 OA
RESISTANCE IS IN OHMS		DATE: 9-3-80	DATE: 1/4/80	SHEET 1 OF 2 SHEETS
TOLERANCE OF: .X = ±.03 .XX = ±.015 .XXX = ±.005				
.L = ±.11 *TOL. OF MATERIAL SUPPLIED				



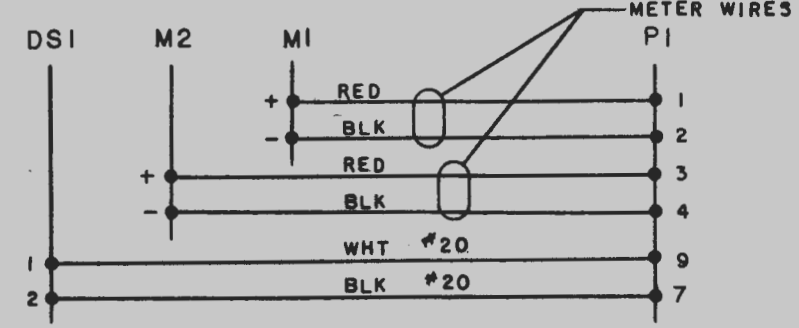
RELEASED FOR PRODUCTION	DATE
NO.	DATE
AREA 'G' PI-7 HAS PI-K IN NOTE 3, POS 10 WAS 7, 6 MAY 81 0810-1-73	

REF 12  
REF 3  
REF 2 INSTALL POLARIZING KEY IN POS #5



**WIRING INFORMATION**

WIRE TO BE AS SPECIFIED.



**OPERATION**

1. CUT & TERMINATE METER WIRES. (POSITION METER ONTO BOARD, ROUTE WIRES & CUT TO LENGTH.)
2. PRE-CUT & TERMINATE OTHER WIRES FOR PI CONN.
3. INSERT TERMINATED WIRES INTO CONN. (BEFORE INSERTING WIRES INSTALL POLARIZING KEY, IDENTIFY POS #1, INSERT DUMMY PINS IN POS. 6, 10, 8, MARK CONN \*MIO\* AS SHOWN.)
4. TY WRAP WIRES WHERE SHOWN(X).

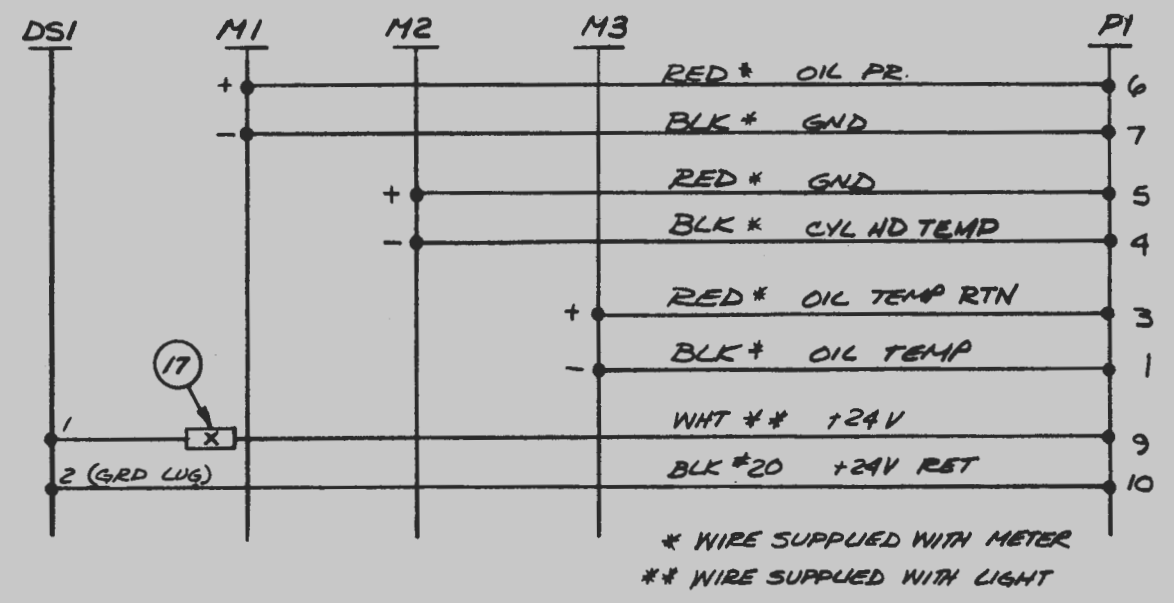
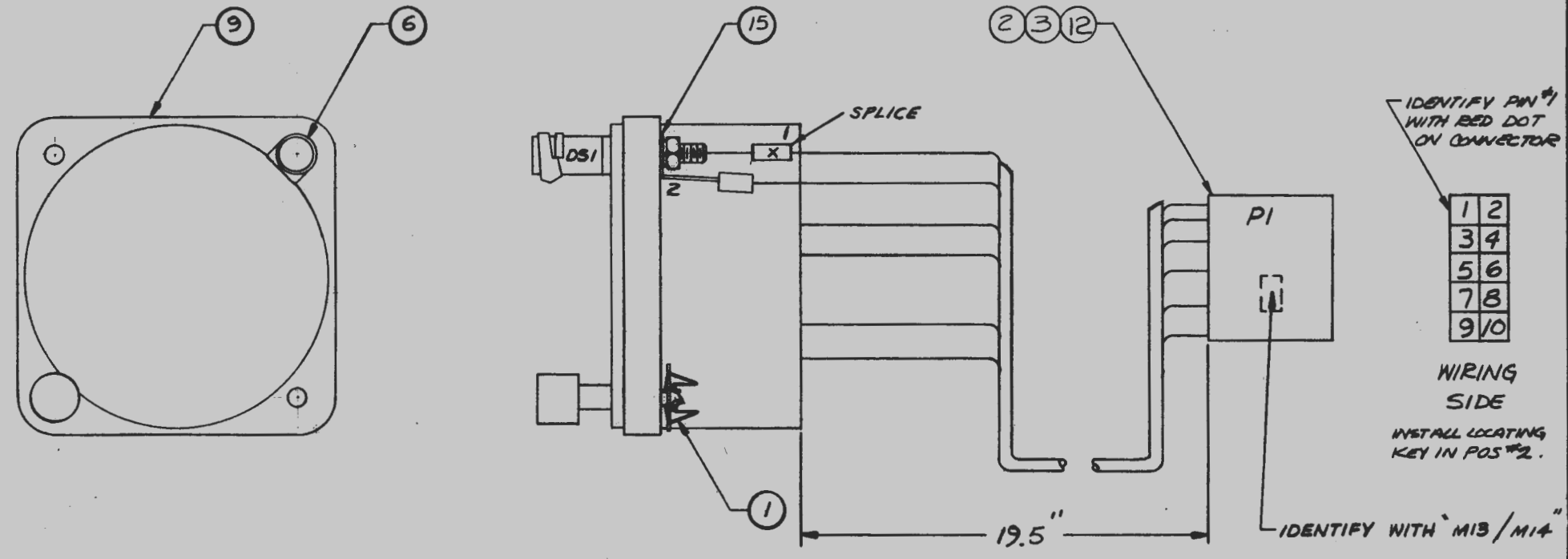
**EAI**  
ELECTRONIC ASSOCIATES, INC. West Long Branch, N.J.

ASSEMBLY HARNESS  
METER  
MANIFOLD PRESSURE (10)

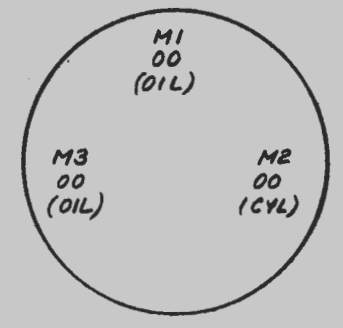
MATERIAL:		DWG. NO. 048	
FINISH:		SCALE 1:1	
UNLESS OTHERWISE SPECIFIED		USED ON:	
DIMENSIONS ARE IN INCHES		DATE	DATE
CAPACITANCE IS IN pF		DATE	DATE
RESISTANCE IS IN OHMS		DATE	DATE
TOLERANCE OF: .X = ±.03 .XX = ±.02		DATE	DATE
.XXX = ±.015 .XXX = ±.005 L = ±.1"		DATE	DATE
*TOL. OF MATERIAL SUPPLIED		DATE	DATE

SHT NO.	
SIZE	
REV. NO.	
PROJECT	C00 048 0063 OA
SHEET 2 OF 2 SHEETS	

NOTES:  
1. SEE SHEET 2 FOR MANUFACTURING OF HARNESS.



WIRING DIAGRAM



REAR VIEW  
SHOWING WIRING EXITING

NO.	REVISION	DATE
1	HARNESS LG WAS 16 LG. 24 NOV 80 810-210-0	gjt
10a	AREA H3 - REAR VIEW WAS NOT SPEC'D 0-810-1-41 12/12/80 1 LG	gjt
2	AREA I-5 - NOTE ON LOCATING KEY WAS 1 INSTALL LOCATING KEY IN: POS #2 (M13) POS #8 (M14) NOTE - AREA H-5 TO PI WAS: IDENTIFY WITH "M13" OR "M14" DEPENDING ON WHERE USED AT HIGHER ASSEMBLY 21 FEB 81 810-287-81	gjt
3	SHEET 2 ADDED. AREA CS "6" "7" ADDED SPLICE ITEM 17. ADDED NOTE 1. 4 MAY 81 810-362-0	gjt

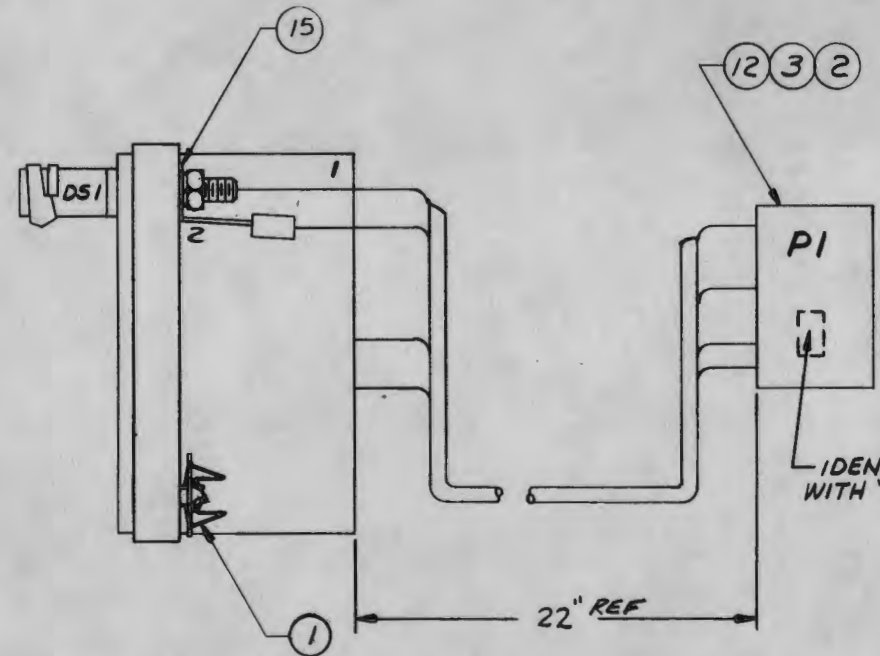
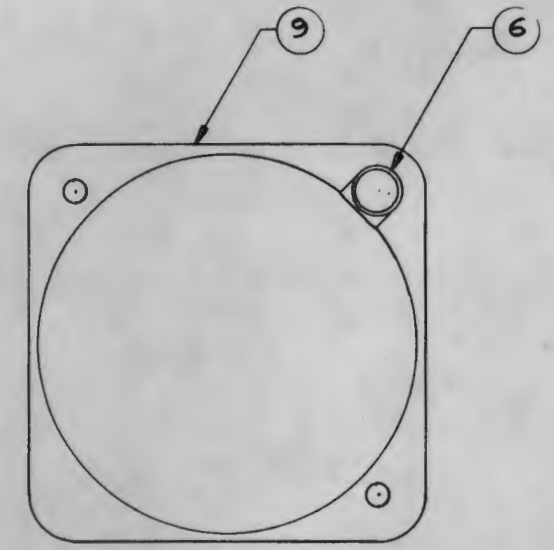
NO.	REVISION	DATE
1		
2		
3		
4		
5		
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13		
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29		
30		

EAI ELECTRONIC ASSOCIATES, INC. Fort Lang Branch, B.A.	
ASSEMBLY METER, PRESS/TEMP (B18)	
SHT NO. 2	SIZE D
REV. NO. 0	PROJECT 103588
C00 048 0064 01A	
SHEET 1 OF 2 SHEETS	

MATERIAL: SEE PARTS LIST A00 048 0064 0P	
FINISH: H	DRG. NO. 048
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	SCALE: H
CAPACITANCE IS IN PF	USED ON: A00 048 0064 0P
RESISTANCE IS IN OHMS	DATE: 15 JULY 80
TOLERANCE: .01	DATE: 5 SEP 80
.005 - .015	DATE: 9-1-80
.015 - .030	DATE: 9/5/80
.030 - .060	DATE: 9-3-80
.060 - .125	DATE: 9/5/80
.125 - .250	DATE: 9/5/80
.250 - .500	DATE: 9/5/80
.500 - 1.000	DATE: 9/5/80
1.000 - 2.000	DATE: 9/5/80
2.000 - 5.000	DATE: 9/5/80
5.000 - 10.000	DATE: 9/5/80
10.000 - 25.000	DATE: 9/5/80
25.000 - 50.000	DATE: 9/5/80
50.000 - 100.000	DATE: 9/5/80
100.000 - 250.000	DATE: 9/5/80
250.000 - 500.000	DATE: 9/5/80
500.000 - 1000.000	DATE: 9/5/80
1000.000 - 2500.000	DATE: 9/5/80
2500.000 - 5000.000	DATE: 9/5/80
5000.000 - 10000.000	DATE: 9/5/80
10000.000 - 25000.000	DATE: 9/5/80
25000.000 - 50000.000	DATE: 9/5/80
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100000.000 - 250000.000	DATE: 9/5/80
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5000000000.000 - 10000000000.000	DATE: 9/5/80
10000000000.000 - 25000000000.000	DATE: 9/5/80
25000000000.000 - 50000000000.000	DATE: 9/5/80
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100000000000000000000000000000000.000 - 250000000000000000000000000000000.000	DATE: 9/5/80
250000000000000000000000000000000.000 - 500000000000000000000000000000000.000	DATE: 9/5/80
500000000000000000000000000000000.000 - 1000000000000000000000000000000000.000	DATE: 9/5/80
1000000000000000000000000000000000.000 - 2500000000000000000000000000000000.000	DATE: 9/5/80
2500000000000000000000000000000000.000 - 5000000000000000000000000000000000.000	DATE: 9/5/80
5000000000000000000000000000000000.000 - 10000000000000000000000000000000000.000	DATE: 9/5/80
10000000000000000000000000000000000.000 - 25000000000000000000000000000000000.000	DATE: 9/5/80
25000000000000000000000000000000000.000 - 50000000000000000000000000000000000.000	DATE: 9/5/80
50000000000000000000000000000000000.000 - 100000000000000000000000000000000000.000	DATE: 9/5/80
100000000000000000000000000000000000.000 - 250000000000000000000000000000000000.000	DATE: 9/5/80
250000000000000000000000000000000000.000 - 500000000000000000000000000000000000.000	DATE: 9/5/80
500000000000000000000000000000000000.000 - 1000000000000000000000000000000000000.000	DATE: 9/5/80
1000000000000000000000000000000000000.000 - 2500000000000000000000000000000000000.000	DATE: 9/5/80
2500000000000000000000000000000000000.000 - 5000000000000000000000000000000000000.000	DATE: 9/5/80
5000000000000000000000000000000000000.000 - 10000000000000000000000000000000000000.000	DATE: 9/5/80
10000000000000000000000000000000000000.000 - 25000000000000000000000000000000000000.000	DATE: 9/5/80
25000000000000000000000000000000000000.000 - 50000000000000000000000000000000000000.000	DATE: 9/5/80
50000000000000000000000000000000000000.000 - 100000000000000000000000000000000000000.000	DATE: 9/5/80
100000000000000000000000000000000000000.000 - 250000000000000000000000000000000000000.000	DATE: 9/5/80
250000000000000000000000000000000000000.000 - 500000000000000000000000000000000000000.000	DATE: 9/5/80
500000000000000000000000000000000000000.000 - 1000000000000000000000000000000000000000.000	DATE: 9/5/80
1000000000000000000000000000000000000000.000 - 2500000000000000000000000000000000000000.000	DATE: 9/5/80
2500000000000000000000000000000000000000.000 - 5000000000000000000000000000000000000000.000	DATE: 9/5/80
5000000000000000000000000000000000000000.000 - 100.000	DATE: 9/5/80
100.000 - 25000000000000000000000000000000000000000.000	DATE: 9/5/80
25000000000000000000000000000000000000000.000 - 500.000	DATE: 9/5/80
500.000 - 10	





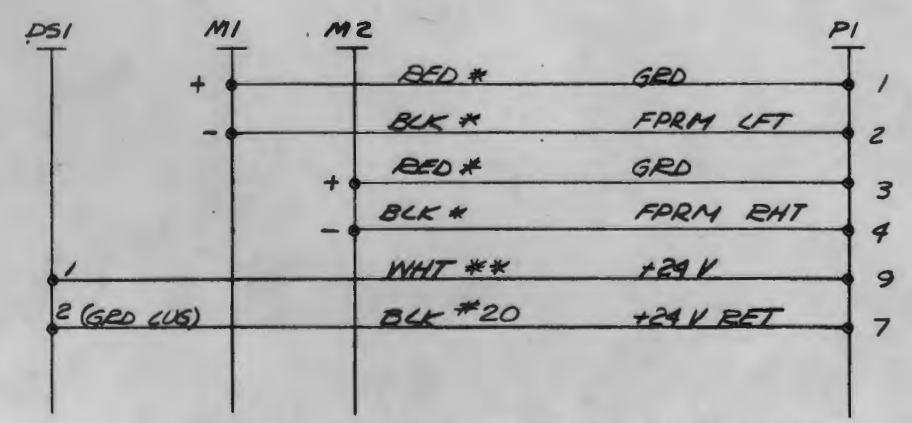


IDENTIFY PIN \*1 WITH RED DOT ON SIDE OF CONNECTOR

1	2
3	4
5	6
7	8
9	10

WIRING SIDE  
INSTALL LOCATING KEY IN POS 6 & 8

NOTES:  
1. SEE SHEET 2 FOR MANUFACTURING OF HARNESS.



\* WIRE SUPPLIED WITH METER  
\*\* WIRE SUPPLIED WITH LIGHT

WIRING DIAGRAM

RELEASED FOR PRODUCTION	ENGR	DATE
	PROD ENGR	DATE
NO.	REVISED	APP'T'S
1	HARN LG WAS 18 1/2 21 NOV 80 810-210-0	J. G. H.
2	SHEET 2 & NOTE 1 ADDED. 25 APR 81 810-361-0	J. G. H.

EAI ELECTRONIC ASSOCIATES, INC. 17th Long Beach, B.C.

ASSEMBLY METER FUEL PRESSURE (B10)

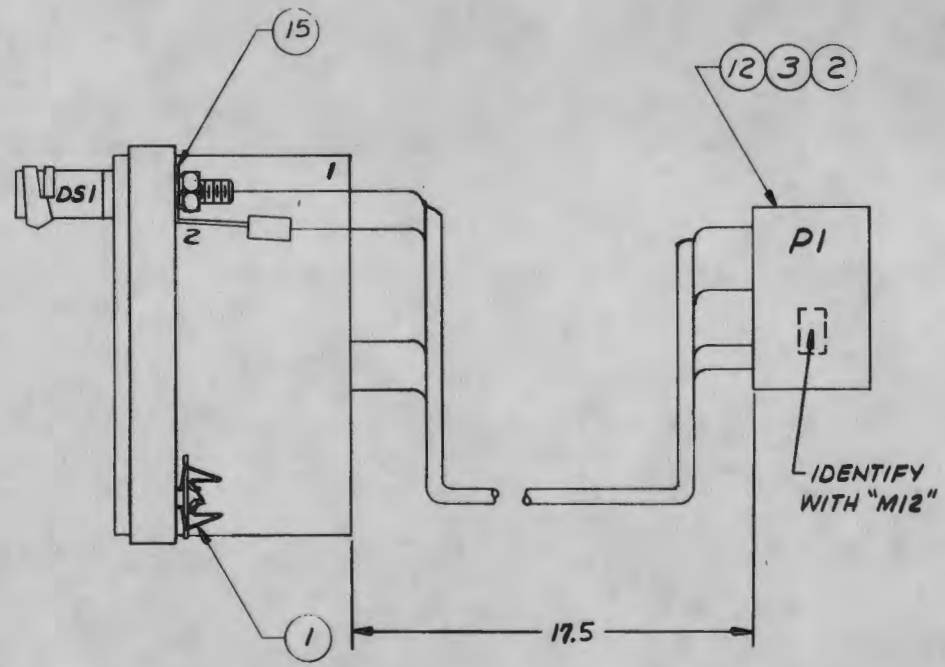
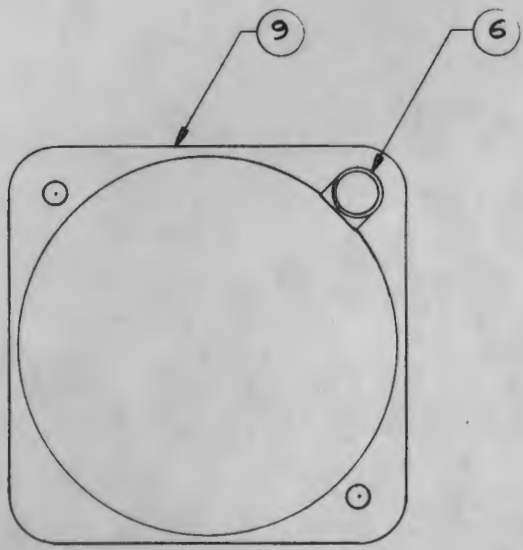
SHT NO.	2
SIZE	D
REV. NO.	0
PROJECT	103586
PROJECT	C00 048 0065 0A
SHEET 1 OF 2 SHEETS	

MATERIAL: SEE PARTS LIST A00 048 0065 0P

FINISH:	H	POP. NO. WEL:	H
UNLESS OTHERWISE SPECIFIED	SCALE 1:1	USED OR:	A00 048 0065 0P
DIMENSIONS ARE IN INCHES	DATE	DATE	DATE
CAPACITANCE IS IN OF	VALENXIA 14 JULY 80	DATE	5-SEP 80
RESISTANCE IS IN OHMS	DATE	DATE	3-3-80
TOLERANCE OF: .X = ±.03 .XK = ±.02	DATE	DATE	9-3-80
.XSS = ±.015 .XSKX = ±.005 L = ±.1"	DATE	DATE	9/5/80
*TOL. OF MATERIAL SUPPLIED	DATE	DATE	





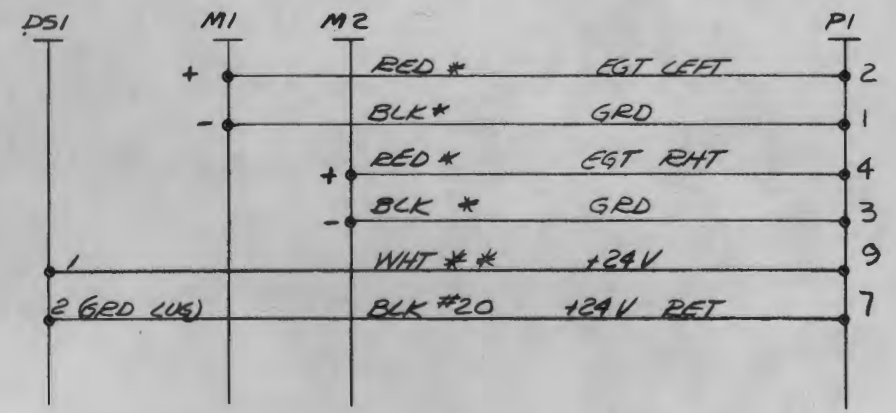


IDENTIFY PIN \*1 WITH RED DOT ON SIDE OF CONNECTOR

1	2
3	4
5	6
7	8
9	10

IDENTIFY WITH "M12"

WIRING SIDE  
INSTALL LOCATING KEY IN POS # 10



\* WIRE SUPPLIED WITH METER  
\*\* WIRE SUPPLIED WITH LIGHT

WIRING DIAGRAM

NOTES:  
1. SEE SHEET 2 FOR MANUFACTURING OF HARNESS.

RELEASED FOR PRODUCTION	ENGR	DATE
	PROD ENGR	DATE
NO.	REVISIONS	APP'D
1	HARN LG WAS 14, 24 NOV 80 810-210-0	[Signature]
2	SHEET 2 & NOTE 1 WERE ADDED. 25 APR 81 810-360-0	[Signature]

M12

EAI ELECTRONIC ASSOCIATES, INC. 9741 Long Beach, B.I.

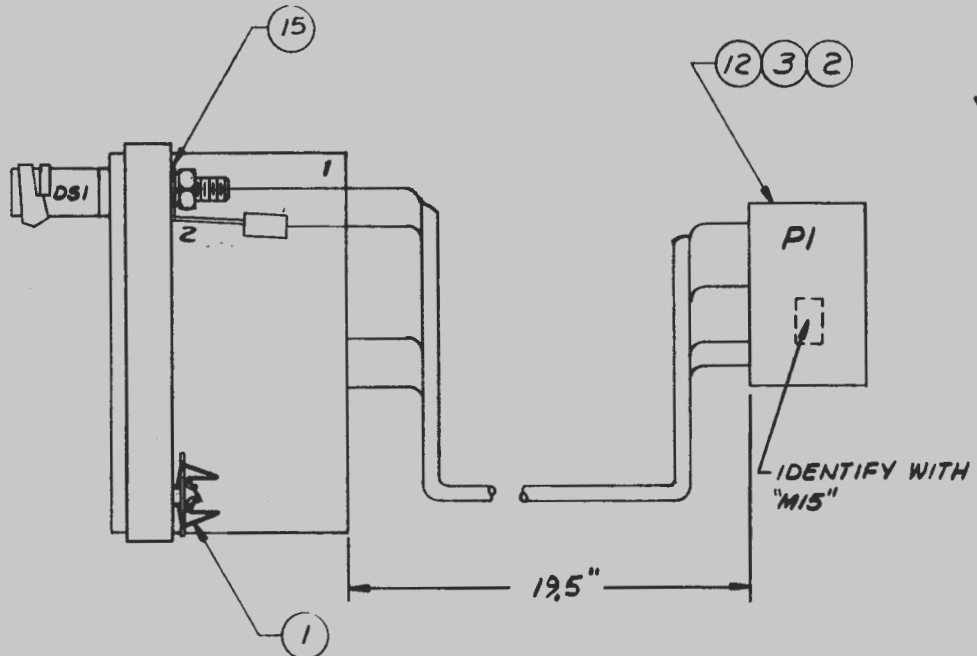
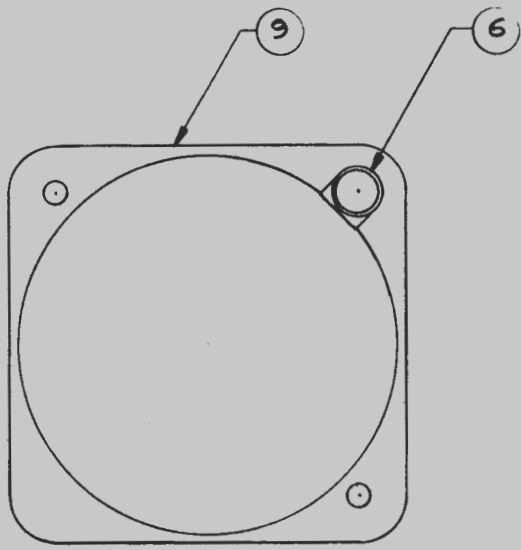
ASSEMBLY  
METER, EGT  
(B10)

MATERIAL: SEE PARTS LIST A00 048 0066 OP

FINISH: H	SCALE: 1:1	USED ON: A00 048 0066 OP
UNLESS OTHERWISE SPECIFIED	DATE: 14 JULY 80	DATE: 5-SEP-80
DIMENSIONS ARE IN INCHES	DATE: 9-3-80	DATE: 9/4/80
CAPACITANCE IS IN PF	DATE: 9-3-80	
RESISTANCE IS IN OHMS		
TOLERANCE OF: .X = ± .03 .XX = ± .02		
.XXX = ± .015 .XXX = ± .008 L = ± .1"		
* TOL. OF MATERIAL SUPPLIED		

SHT NO.	2
SIZE	D
REV. NO.	0
PROJECT	103580
	A00 048 0066 OP
SHEET 1 OF 2 SHEETS	





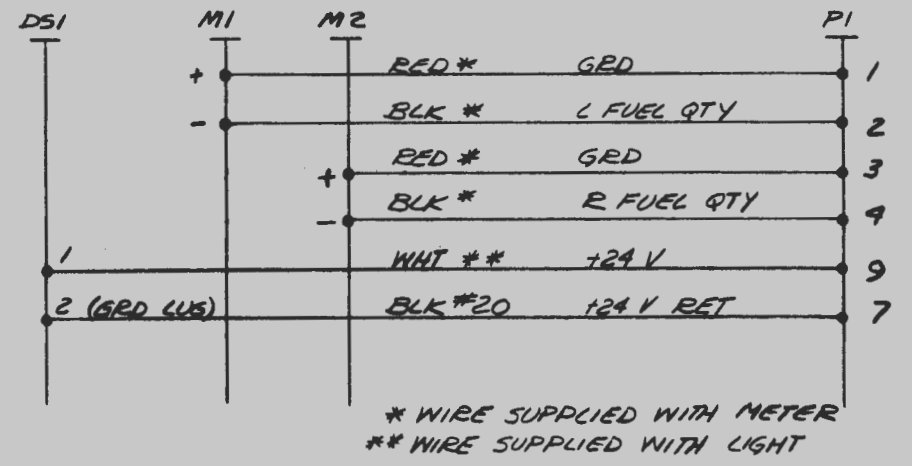
IDENTIFY PIN #1 WITH RED DOT ON SIDE OF CONNECTOR

1	2
3	4
5	6
7	8
9	10

WIRING SIDE

INSTALL LOCATING KEY IN POS. #6 & 10

NOTES:  
1. SEE SHEET 2 FOR MANUFACTURING OF HARNESS.



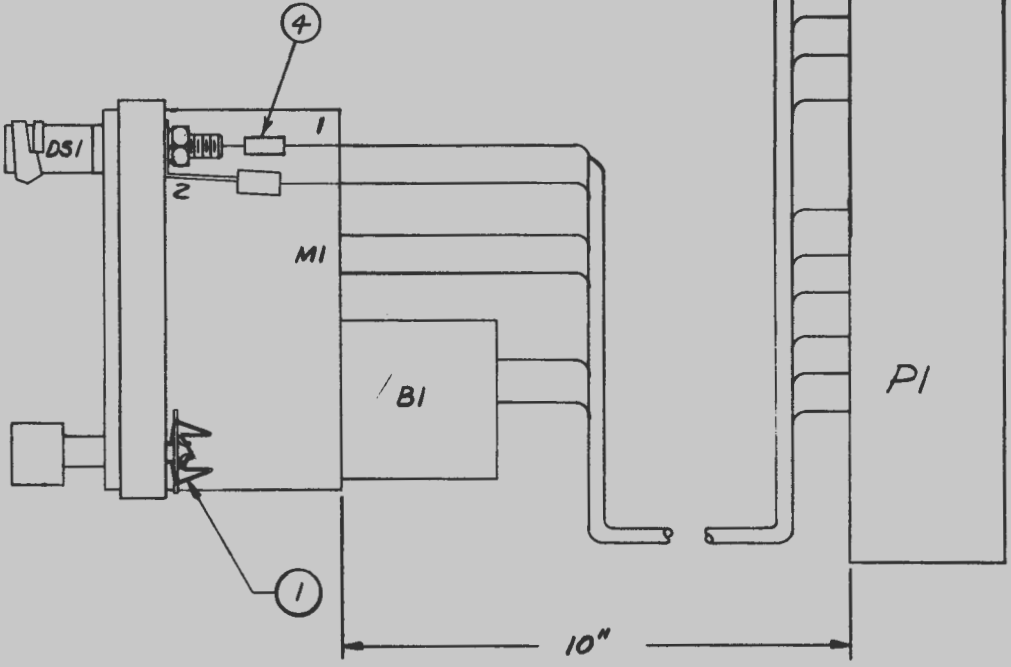
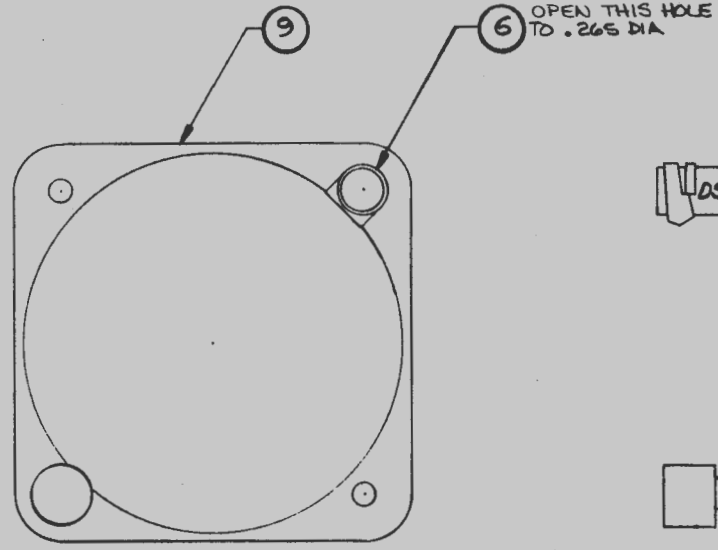
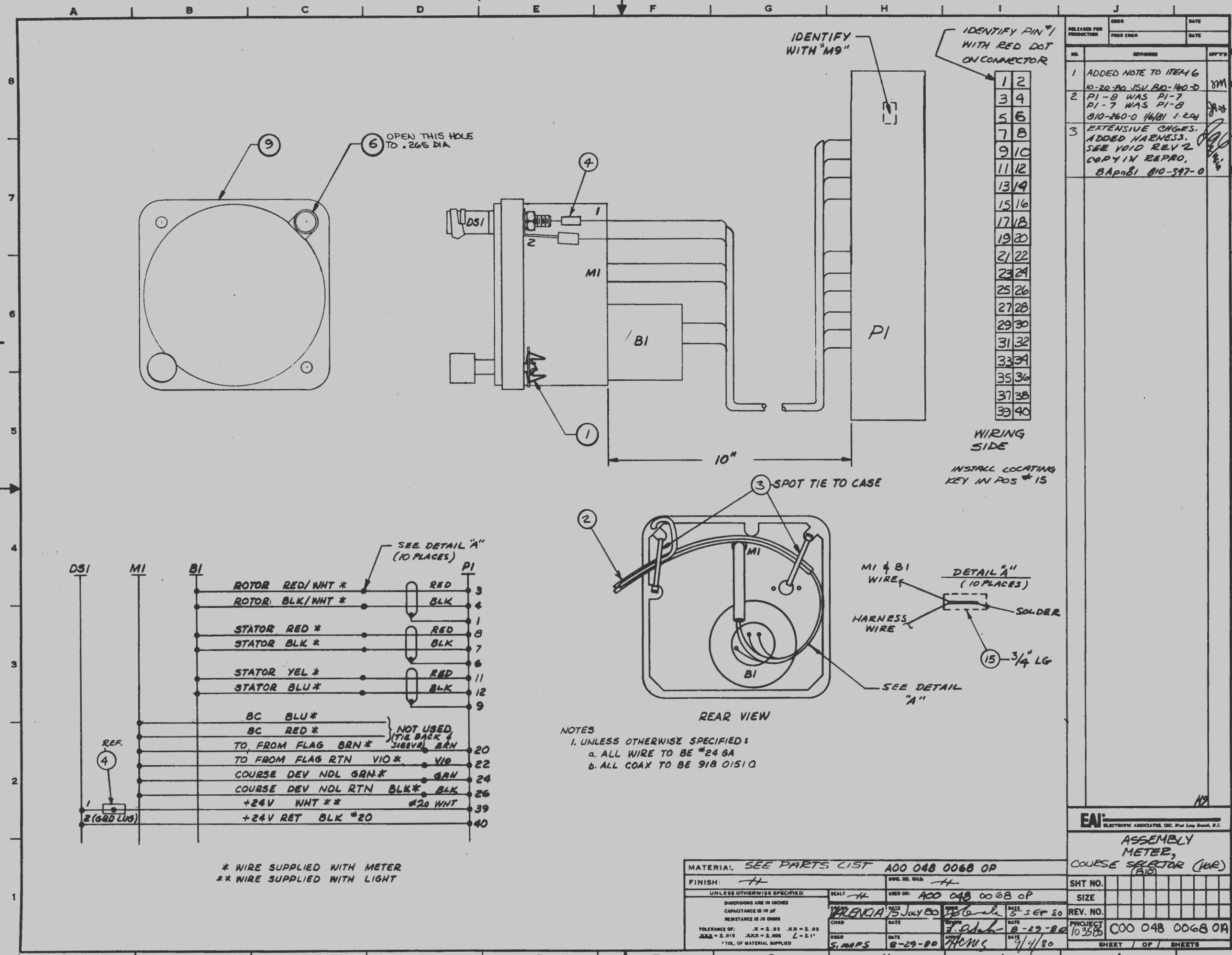
\* WIRE SUPPLIED WITH METER  
\*\* WIRE SUPPLIED WITH LIGHT

WIRING DIAGRAM

RELEASED FOR PRODUCTION	DATE	
EDSR	DATE	
NO.	REVISIONS	APPROVED
1	HARV. LENGTH WAS 16" 21 NOV 80 810-210-0	gint
2	ADDED SHEET 2 AND NOTE 1. 25 APR 81 810-357-0	gint
MIS		
EAI ELECTRONIC ASSOCIATES, INC. West Long Branch, N.J.		
ASSEMBLY METER, FUEL QUANTITY (810)		
MATERIAL: SEE PARTS LIST A00 048 0067 0P	FINISH: TH	FIG. NO. 848 TH
UNLESS OTHERWISE SPECIFIED	SCALE 1:1	USED ON: A00 048 0067 0P
DIMENSIONS ARE IN INCHES	DATE: VALENCIA 12 JULY 80	DATE: 5 SEP 80
CAPACITANCE IS IN PF	CHKD: [Signature]	DATE: 9-3-80
RESISTANCE IS IN OHMS	DATE: 9-3-80	DATE: 9/4/80
TOLERANCE OF: .X = ±.03 .XX = ±.02	DATE: 9-3-80	DATE: 9/4/80
.XXX = ±.015 .LXXX = ±.008 .L = ±.1"	DATE: 9-3-80	DATE: 9/4/80
*TOL. OF MATERIAL SUPPLIED	DATE: 9-3-80	DATE: 9/4/80
SHT NO. 2	SIZE D	REV. NO. 0
PROJECT 103580	C00 048 0067 0A	SHEET 1 OF 2 SHEETS





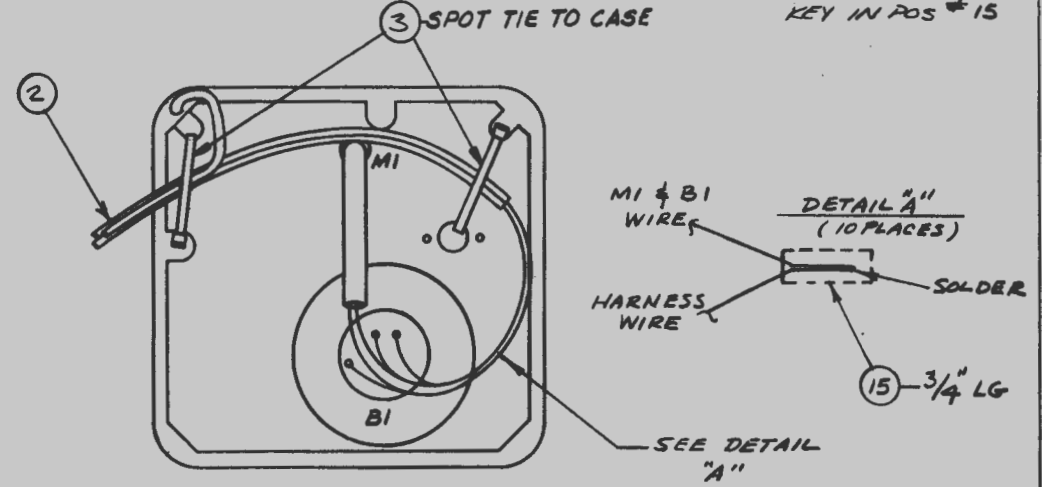


IDENTIFY PIN\*  
WITH RED DOT  
ON CONNECTOR

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40

WIRING  
SIDE

INSTALL LOCATING  
KEY IN POS #15



REAR VIEW

- NOTES
1. UNLESS OTHERWISE SPECIFIED:
    - a. ALL WIRE TO BE #24 GA
    - b. ALL COAX TO BE 918 01510

DS1	MI	BI	PI
		ROTOR RED/WHT *	RED 3
		ROTOR BLK/WHT *	BLK 4
		STATOR RED *	RED 1
		STATOR BLK *	BLK 8
		STATOR YEL *	RED 7
		STATOR BLU *	BLK 6
		BC BLU *	RED 11
		BC RED *	BLK 12
		TO FROM FLAG BRN *	BRN 9
		TO FROM FLAG RTN VIO *	VIO 20
		COURSE DEV NDL GRN *	GRN 22
		COURSE DEV NDL RTN BLK *	BLK 24
		+24V WHT **	#20 WHT 26
		+24V RET BLK #20	39
			40

SEE DETAIL "A" (10 PLACES)

NOT USED (TIE BACK & SOLDER)

REF. 4

2 (620 LUG)

\* WIRE SUPPLIED WITH METER  
\*\* WIRE SUPPLIED WITH LIGHT

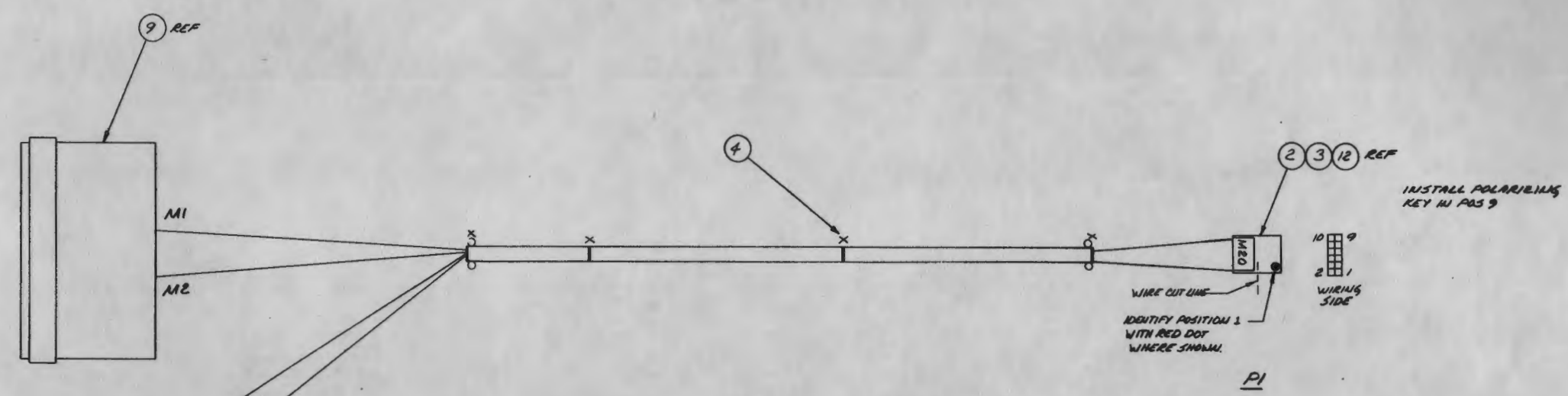
RELEASED FOR PRODUCTION	ESGR	DATE
PROG ENGR		
NO.	REVISED	APPROV
1	ADDED NOTE TO ITEM 6 10-20-80 JSV BID-140-D	SM
2	PI-8 WAS PI-7 PI-7 WAS PI-8 810-260-0 1/6/81 J. LAY	
3	EXTENSIVE CHGES. ADDED HARNESS. SEE VOID REV 2 COPY IN REPRO. 8 Apr 81 810-397-0	
<p>EAI: ELECTRONIC ASSOCIATES, INC. 3701 Long Branch, N.J.</p> <p>ASSEMBLY METER, COURSE SELECTOR (M9)</p> <p>MATERIAL SEE PARTS LIST ADD 048 0068 0P</p> <p>FINISH: H</p> <p>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES CAPACITANCE IS IN PF RESISTANCE IS IN OHMS TOLERANCE OF: .X = ±.03 .XX = ±.02 .XXX = ±.019 .XKX = ±.008 L = ±.1" *TOL. OF MATERIAL SUPPLIED</p> <p>SCALE: H</p> <p>USED ON: ADD 048 0068 0P</p> <p>DATE: 15 July 80</p> <p>DATE: 3 SEP 80</p> <p>DATE: 8-29-80</p> <p>DATE: 9/4/80</p> <p>SHT NO. [ ]</p> <p>SIZE [ ]</p> <p>REV. NO. [ ]</p> <p>PROJECT 103585</p> <p>PROJECT COO 048 0068 0A</p> <p>SHEET [ ] OF [ ] SHEETS</p>		



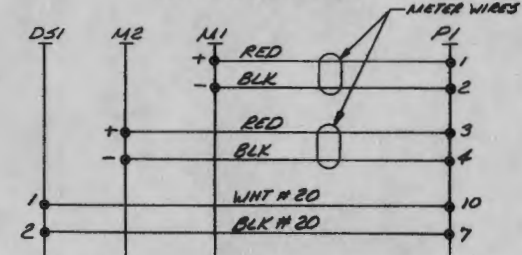




ORDER NO.	DATE
PROD ORDER	DATE
REV.	REVISED
DATE	BY
PC	



**WIRING INFORMATION**  
WIRE TO BE SPECIFIED



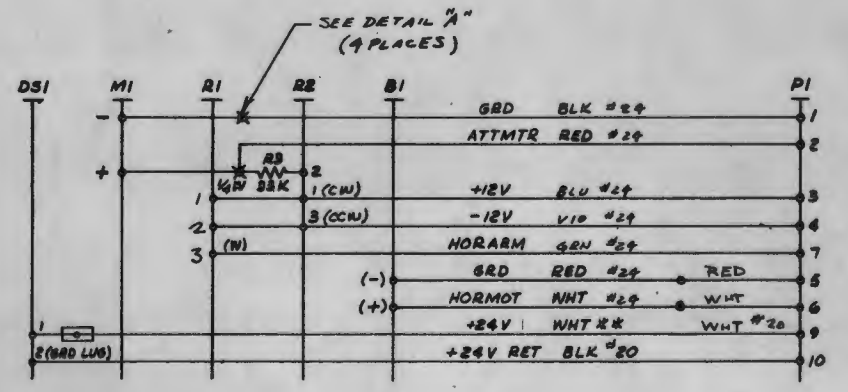
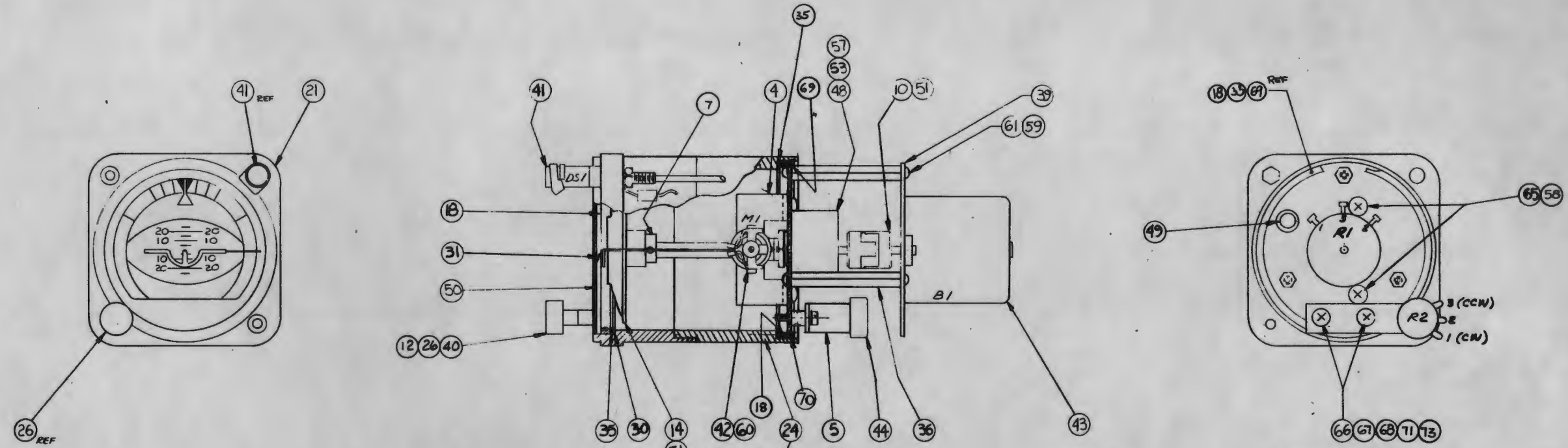
- OPERATIONS**
1. CUT & TERMINATE METER WIRES. (POSITION METER ON BOARD, ROUTE WIRES & CUT TO LENGTH)
  2. PRE-CUT & TERMINATE OTHER WIRES FOR P1 CONN.
  3. INSERT TERMINATED WIRES INTO CONN. (BEFORE INSERTING WIRES INSTALL POLARIZING KEY IN POS 9. IDENTIFY POS 1 WITH RED DOT, INSERT DUMMY PINS IN REMAINING POS. AIREX CONNECTOR "M2" AS SHOWN.)
  4. TY WRAP HARNESS WHERE SHOWN (X).

<b>MATERIAL:</b>		DWG. NO. 330127		SMT NO.	
UNLESS OTHERWISE SPECIFIED	SCALE	DATE	DATE	DATE	DATE
CONDUCTORS ARE IN INCHES	1/16" X 1/8"	3-5-61			
CAPACITANCE IS IN P.F.					
RESISTANCE IS IN OHMS					
TOLERANCE OF: .X = ±.05 .XX = ±.01 .XXX = ±.005					
ANGLE = 2.000 SIZE = 2.000 Z = 2.1"					
*TOL. OF MATERIAL SUPPLIER					
PROJECT: 330127 D00 048 0078 01		DATE: 3/17/61		SHEET 2 OF 2 SHEETS	

**NOTE:**

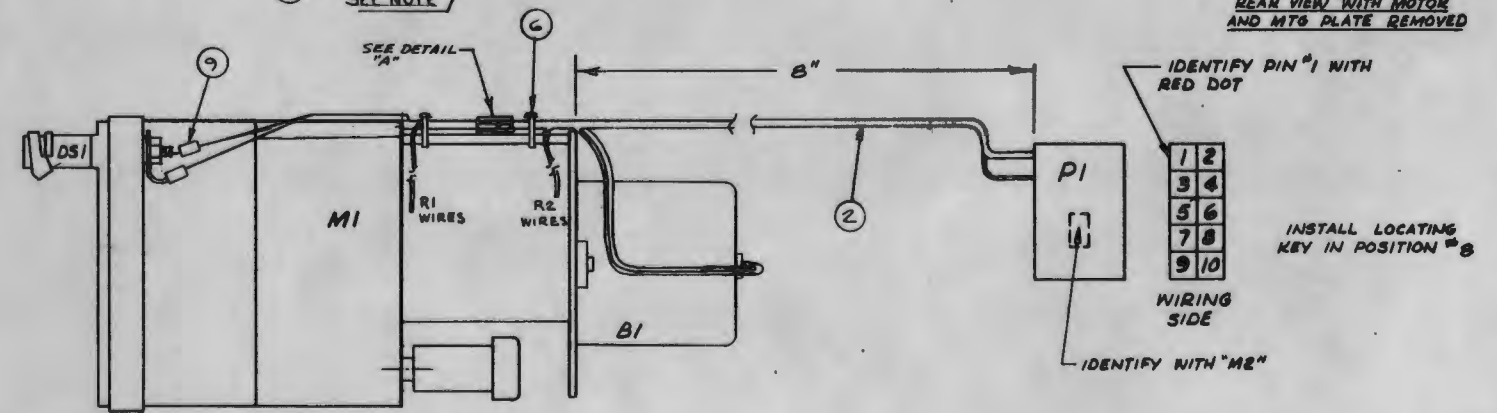
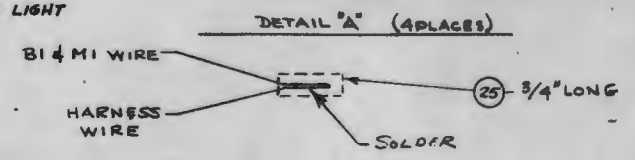
BOND ITEM 24 TO ITEM 21 AS SHOWN,  
USE RTY ITEM 80, OR EQUAL  
FOLLOW MFG. INSTRUCTION FOR BONDING.

REV.	REVISIONS	DATE
1	AREA 3: ADDED OIL OUTS 71, 73 TO 66, 67 & 68 CALLOUTS. IN NOTE "RTY ITEM 80" WAS SUPERBAND "95" OR EQUAL. DE- LETED ITEM 7 CALLOUT SHOWN INCORRECTLY ASSOCIATED WITH ITEM 80 POT SHAFT.	
10	AREA 4: CHG'D ITEM 14 DIAL FROM METAL TO PLASTIC DETAIL PER P.P. 24 SEP 62 810-5140	



WIRING DIAGRAM

\*\* WIRE SUPPLIED WITH LIGHT

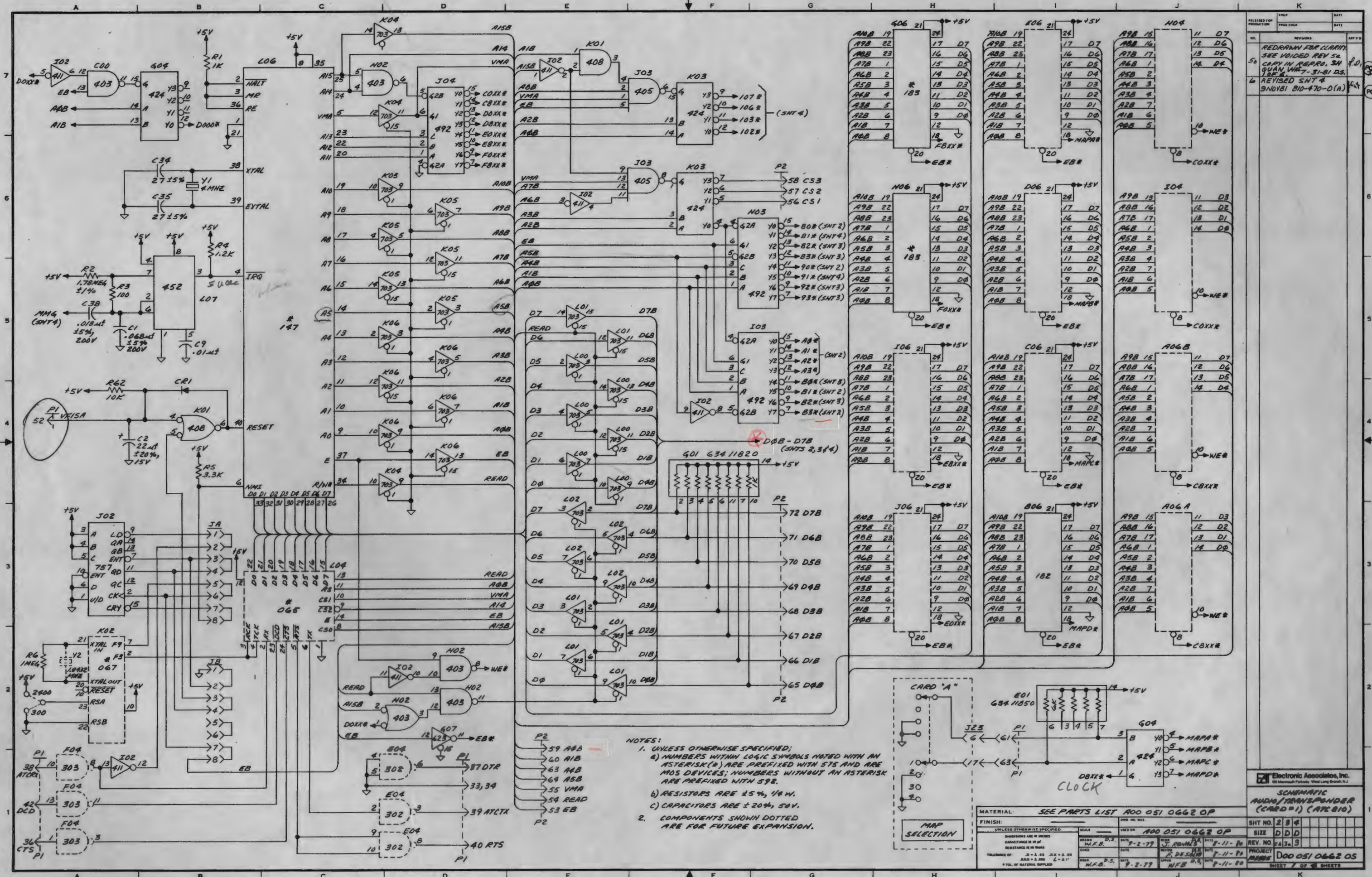


MATERIAL: SEE P/L A00 048 0075 0P		FINISH: H		SCALE: 1/1"		SHT NO.	
ASSEMBLY ATTITUDE INDICATOR (310)		DATE: 11-1-61		BY: J.W.		REV. NO.	
D00 048 0075 0A		DATE: 11-1-61		BY: J.W.		REV. NO.	

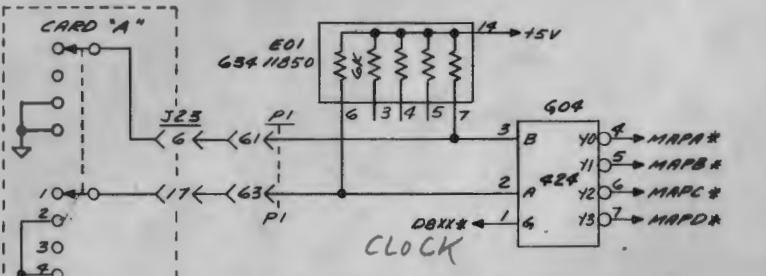








NOTES:  
 1. UNLESS OTHERWISE SPECIFIED;  
 a) NUMBERS WITHIN LOGIC SYMBOLS NOTED WITH AN ASTERISK (\*) ARE PREFIXED WITH 575 AND ARE MOS DEVICES; NUMBERS WITHOUT AN ASTERISK ARE PREFIXED WITH 598.  
 b) RESISTORS ARE 15%, 1/4 W.  
 c) CAPACITORS ARE ±20%, 50V.  
 2. COMPONENTS SHOWN DOTTED ARE FOR FUTURE EXPANSION.

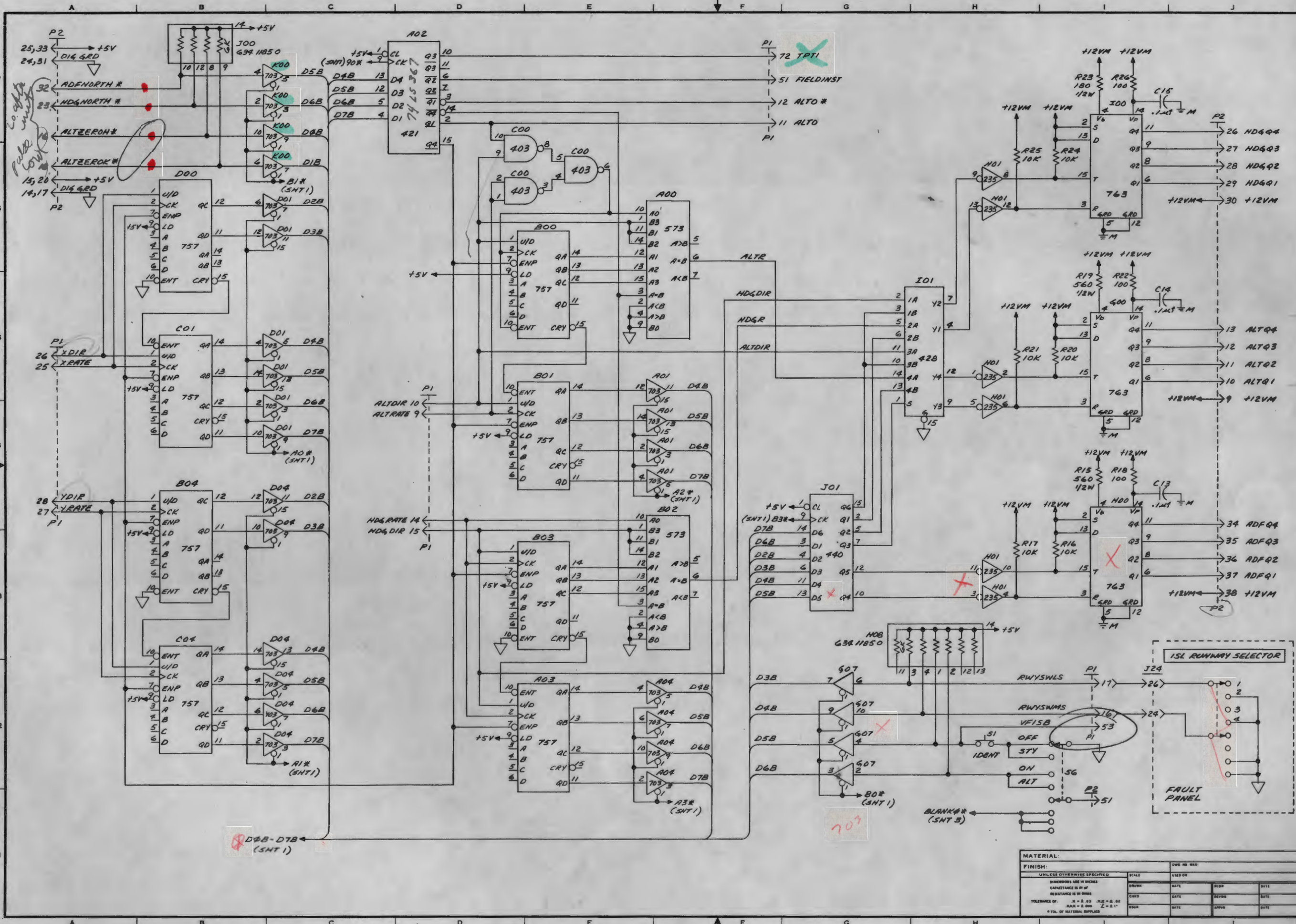


NO.	REVISIONS	DATE
50	REDESIGNED FOR CLARITY, SEE VOIDED REV 52. CADY IN REPRO. SH. QUAN. W/RT-31-B1 DS. 9858.	8-11-80
6	REVISED SMT 4	8-11-80
	9NOV81 810-470-0(A)	

MATERIAL		FINISH		SCALE		DATE		REV. NO.		SHEET	
SEE PARTS LIST A00 051 0662 0P		UNLESS OTHERWISE SPECIFIED		—		7-2-77		3		1 OF 3 SHEETS	
PROJECT: D00 051 0662 0S		DESIGNED BY: W.F.B.		CHECKED BY: W.F.B.		DATE: 7-11-80		REV. NO. 3		SHEET 1 OF 3 SHEETS	

Electronic Associates, Inc.  
 60 Massachusetts Avenue, West Long Branch, N.J.  
 SCHEMATIC  
 AUDIO TRANSMITTER  
 (CARD #1) (REV 810)





RELEASED FOR PRODUCTION	ENGR	DATE
PROG ENGR		
NO.	REVISED	APPROV
24	REDRAWN FOR CLARITY SEE VOIDED REV 20 COPY IN REPRO. 7-31-81 '83.	10

*Comp 1955  
RmI  
MComp.*

*Drive*

*ADF  
RmI*

MATERIAL:		DWG NO. 841		SHT NO.	
FINISH:	UNLESS OTHERWISE SPECIFIED	SCALE:	USED ON:	DATE:	DATE:
TOLEANCE OF:	.0005	DATE:	DATE:	DATE:	DATE:
*TOL. OF MATERIAL SUPPLIED		DATE:	DATE:	DATE:	DATE:
PROJECT: <b>DOO 081 0662 05</b>				SHEET # OF SHEETS	

Electronic Associates, Inc.  
88 Monmouth Parkway, Wallingford, Conn., U.S.A.



RELEASED FOR PRODUCTION	DATE
PROJ ENG	DATE
REV	DATE
3a	7-31-81 AS



ELECTRONIC ASSOCIATES, INC.	
23 MINNAPOLIS PARKWAY, WEST LONG BEACH, CA	
MATERIAL:	UNLESS OTHERWISE SPECIFIED
FINISH:	QUANTITY IN INCHES
SCALE:	CAPACITANCE IN P.F.
DRIVER:	RESISTANCE IN OHMS
DATE:	TOLERANCE OF:
DATE:	± 0.03
DATE:	± 0.05
DATE:	± 0.10
DATE:	± 0.15
DATE:	± 0.20
DATE:	± 0.25
DATE:	± 0.30
DATE:	± 0.35
DATE:	± 0.40
DATE:	± 0.45
DATE:	± 0.50
DATE:	± 0.55
DATE:	± 0.60
DATE:	± 0.65
DATE:	± 0.70
DATE:	± 0.75
DATE:	± 0.80
DATE:	± 0.85
DATE:	± 0.90
DATE:	± 0.95
DATE:	± 1.00
DATE:	± 1.05
DATE:	± 1.10
DATE:	± 1.15
DATE:	± 1.20
DATE:	± 1.25
DATE:	± 1.30
DATE:	± 1.35
DATE:	± 1.40
DATE:	± 1.45
DATE:	± 1.50
DATE:	± 1.55
DATE:	± 1.60
DATE:	± 1.65
DATE:	± 1.70
DATE:	± 1.75
DATE:	± 1.80
DATE:	± 1.85
DATE:	± 1.90
DATE:	± 1.95
DATE:	± 2.00
DATE:	± 2.05
DATE:	± 2.10
DATE:	± 2.15
DATE:	± 2.20
DATE:	± 2.25
DATE:	± 2.30
DATE:	± 2.35
DATE:	± 2.40
DATE:	± 2.45
DATE:	± 2.50
DATE:	± 2.55
DATE:	± 2.60
DATE:	± 2.65
DATE:	± 2.70
DATE:	± 2.75
DATE:	± 2.80
DATE:	± 2.85
DATE:	± 2.90
DATE:	± 2.95
DATE:	± 3.00
DATE:	± 3.05
DATE:	± 3.10
DATE:	± 3.15
DATE:	± 3.20
DATE:	± 3.25
DATE:	± 3.30
DATE:	± 3.35
DATE:	± 3.40
DATE:	± 3.45
DATE:	± 3.50
DATE:	± 3.55
DATE:	± 3.60
DATE:	± 3.65
DATE:	± 3.70
DATE:	± 3.75
DATE:	± 3.80
DATE:	± 3.85
DATE:	± 3.90
DATE:	± 3.95
DATE:	± 4.00
DATE:	± 4.05
DATE:	± 4.10
DATE:	± 4.15
DATE:	± 4.20
DATE:	± 4.25
DATE:	± 4.30
DATE:	± 4.35
DATE:	± 4.40
DATE:	± 4.45
DATE:	± 4.50
DATE:	± 4.55
DATE:	± 4.60
DATE:	± 4.65
DATE:	± 4.70
DATE:	± 4.75
DATE:	± 4.80
DATE:	± 4.85
DATE:	± 4.90
DATE:	± 4.95
DATE:	± 5.00

PROJECT: 0662 05  
SHEET 2 OF 2

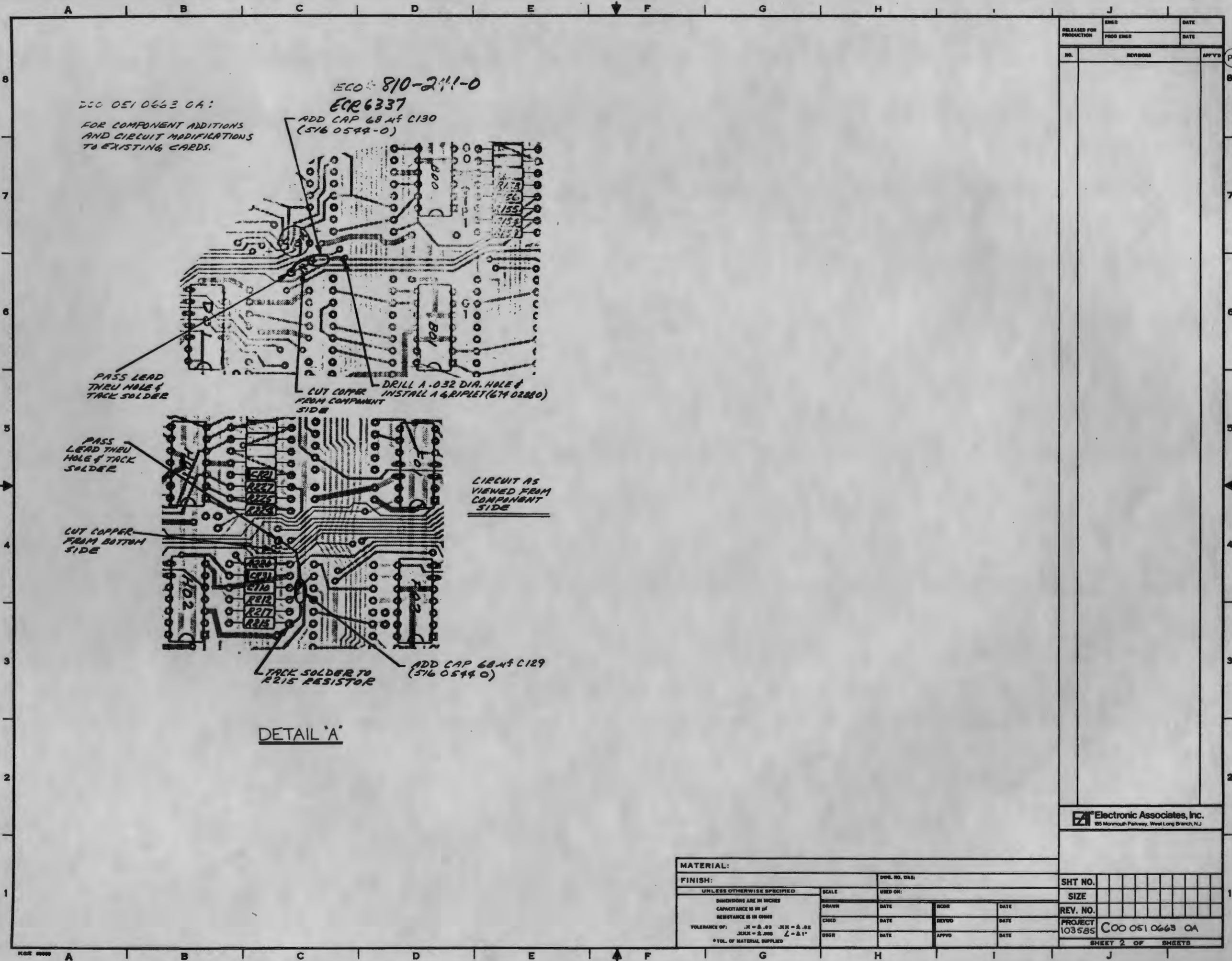












RELEASED FOR PRODUCTION	ENGR	DATE
	PROD ENGR	DATE
NO.	REVISIONS	APPROV'D
		PC

Electronic Associates, Inc.  
185 Monmouth Parkway, West Long Branch, N.J.

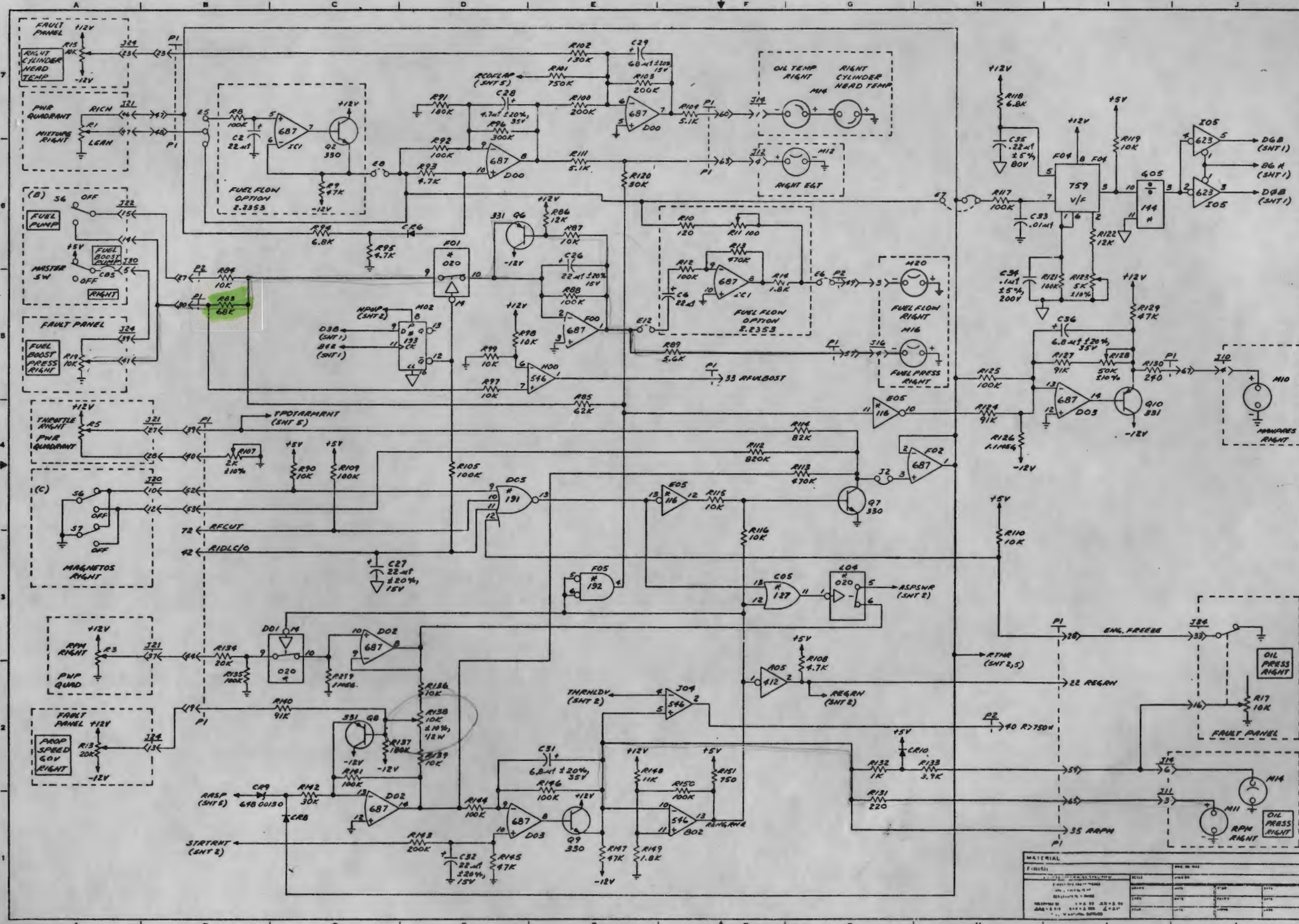
MATERIAL:		DWG. NO. TAB:		SHT NO.
FINISH:		USED ON:		SIZE
UNLESS OTHERWISE SPECIFIED		SCALE	DATE	DATE
DIMENSIONS ARE IN INCHES		DRAWN	DATE	DATE
CAPACITANCE IS IN pF		CHECKED	DATE	DATE
RESISTANCE IS IN OHMS		DESIGNED	DATE	DATE
TOLERANCE OF: .X = ±.03 .XX = ±.02		APPROVED	DATE	DATE
.XXX = ±.005 Z = ±1"				
*TOL. OF MATERIAL SUPPLIED				
PROJECT 103585				COO 0510663 OA
SHEET 2 OF SHEETS				











EAI		SHT NO	
(RIGHT ENGINE CUTS)		SIZE	
MATERIAL		REV. NO	
108335 C00 051 0663 05		SHEET 3 OF 3 SHEETS	

REVISIONS FOR CLARITY  
 SEE HANDBOOK REV #1  
 COMPH. REPAIR 6-24-61

I.C. NO'S W/R:  
 116 WAS 001  
 127 WAS 028  
 192 WAS 007  
 191 WAS 026  
 193 WAS 003  
 14 MAY 61 810-379-1





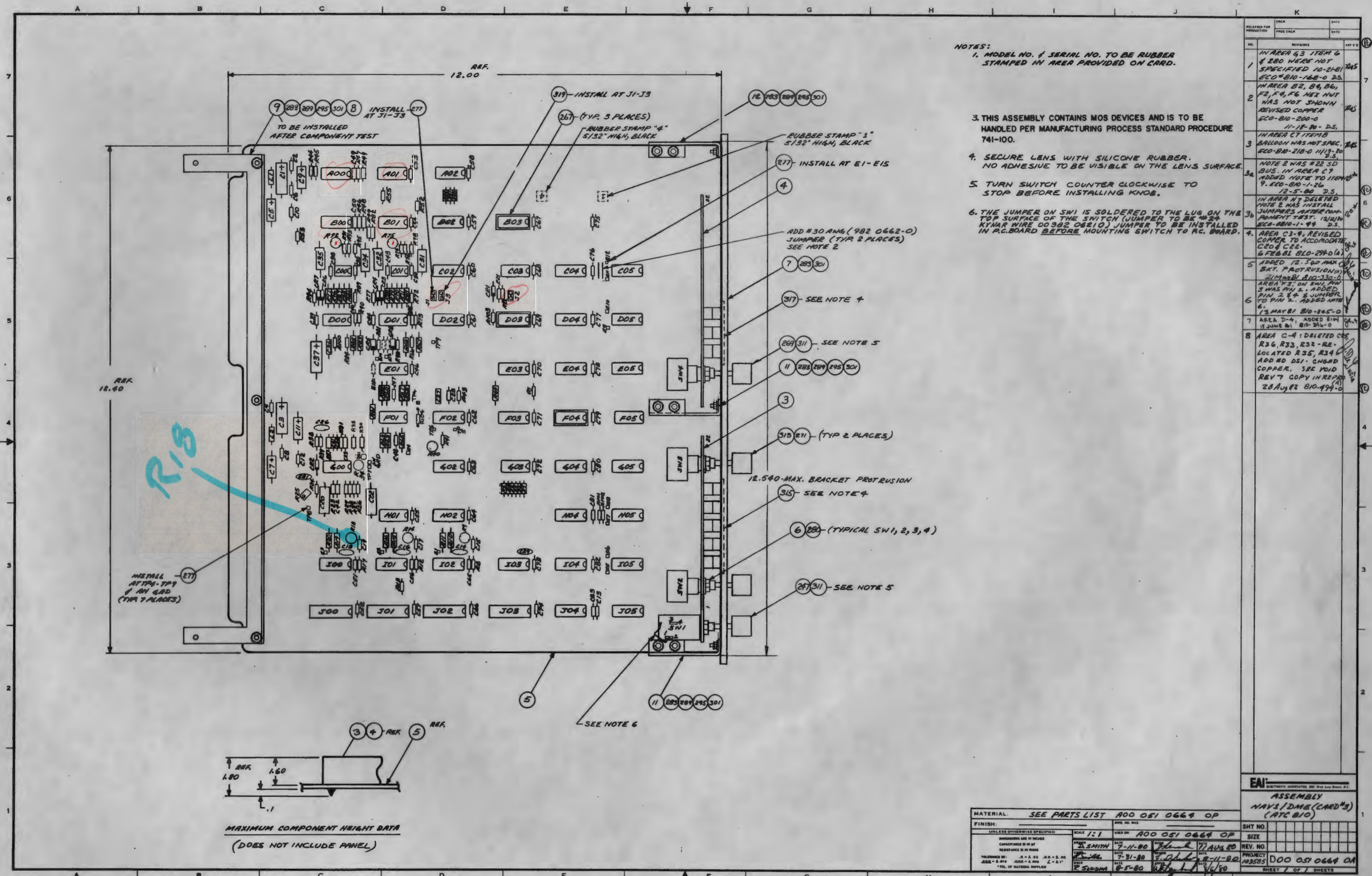








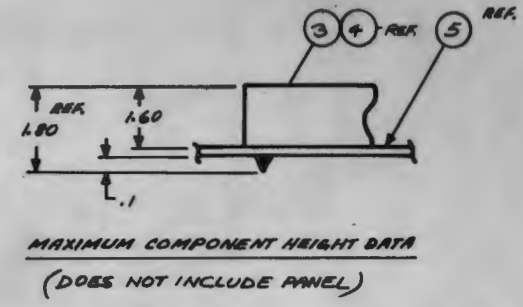




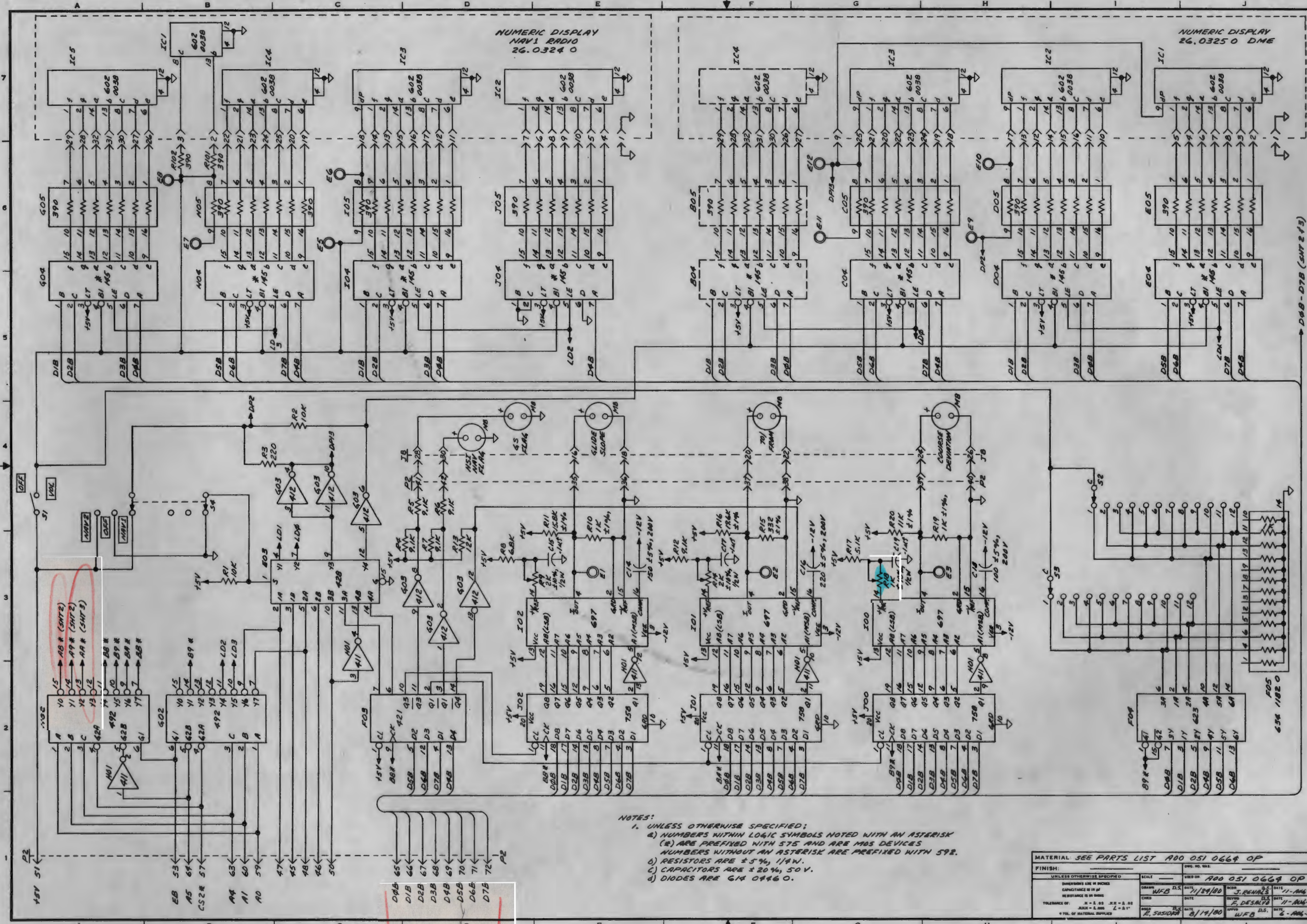
- NOTES:
- MODEL NO. & SERIAL NO. TO BE RUBBER STAMPED IN AREA PROVIDED ON CARD.
  - THIS ASSEMBLY CONTAINS MOS DEVICES AND IS TO BE HANDLED PER MANUFACTURING PROCESS STANDARD PROCEDURE 741-100.
  - SECURE LENS WITH SILICONE RUBBER. NO ADHESIVE TO BE VISIBLE ON THE LENS SURFACE.
  - TURN SWITCH COUNTER CLOCKWISE TO STOP BEFORE INSTALLING KNOB.
  - THE JUMPER ON SW1 IS SOLDERED TO THE LUG ON THE TOP SURFACE OF THE SWITCH (JUMPER TO BE #30 KYMAR WIRE 00362 06610) JUMPER TO BE INSTALLED IN P.C. BOARD BEFORE MOUNTING SWITCH TO AC. BOARD.

NO.	REVISIONS	DATE
1	IN AREA 63 ITEM 6 & 280 WERE NOT SPECIFIED 10-21-81 ECO-810-168-0 25	7/25
2	IN AREA B2, B4, B6, F2, F4, F6 HEX NUT WAS NOT SHOWN REVISED COPPER ECO-810-200-0 11-18-81 D.S.	7/25
3	IN AREA C7 ITEMS BALLOON WAS NOT SPEC. ECO-810-218-0 11/19/80 D.S.	7/25
3a	NOTE 2 WAS #22 SD BUS. IN AREA C7 ADDED NOTE TO ITEM 9. ECO-810-1-26 12-5-80 D.S.	7/25
3b	IN AREA H7 DELETED NOTE 2 WAS INSTALL JUMPERS AFTER COMPONENT TEST. 12/11/81 ECO-810-1-99	7/25
4	AREA C3-9, REVISED CORNER TO ACCOMMODATE C20 & C22. 6 FEB 81 BLD-299-0 (A)	7/25
5	ADDED 12.500 MAX BKT. PROTRUSION IN DIMENSION 810-330-0	7/25
6	AREA F3: ON SW1, PIN 3 WAS PIN 2. ADDED PIN 2 & 3 JUMPER TO PIN 2. ADDED NOTE 6. 13 MAY 81 810-265-0	7/25
7	AREA D-4, ADDED DIM 810-266-0	7/25
8	AREA C-4: DELETED C25, R36, R33, R32 - RE-LOCATED R35, R34. ADD 40 DS1. CHG RD COPPER. SEE VOID REV 7 COPY IN REF 28 AUG 82 810-494-0	7/25

MATERIAL: SEE PARTS LIST A00 051 0664 OP		SHT NO.	
FINISH: UNLESS OTHERWISE SPECIFIED	SCALE: 1:1	USED ON: A00 051 0664 OP	SIZE:
DESIGNED BY: J. SMITH	DATE: 7-11-80	DATE: 11 AUG 80	REV. NO.
CHECKED BY: J. SMITH	DATE: 7-31-80	DATE: 8-11-80	PROJECT: D00 051 0664 DA
DATE: 8-5-80	DATE: 8-11-80	DATE: 8-11-80	SHEET 7 OF 7 SHEETS







NOTES:  
 1. UNLESS OTHERWISE SPECIFIED;  
 2. NUMBERS WITHIN LOGIC SYMBOLS NOTED WITH AN ASTERISK (\*) ARE PREFIXED WITH 575 AND ARE MOS DEVICES. NUMBERS WITHOUT AN ASTERISK ARE PREFIXED WITH 598.  
 3. RESISTORS ARE ± 5%, 1/4W.  
 4. CAPACITORS ARE ± 20%, 50V.  
 5. DIODES ARE 614 0446 O.

REV.	DESCRIPTION	DATE
64	REWORK FOR CLARITY SEE WIDED REV 6 COPY IN REPO. 6-18-81 D.S.	
66	REV. SHT 2 (A) 15 JULY 81 810-917-0	
7	REV. SHT 2 (A) 15 JULY 81 810-917-0	
8	REVISED SHT 2. 17 SEPT 81 810-939-0	
9	REV. SHT 2 (A) 25 AUG 82 810-940-0	

D68-D78 (SHT 2 F3)

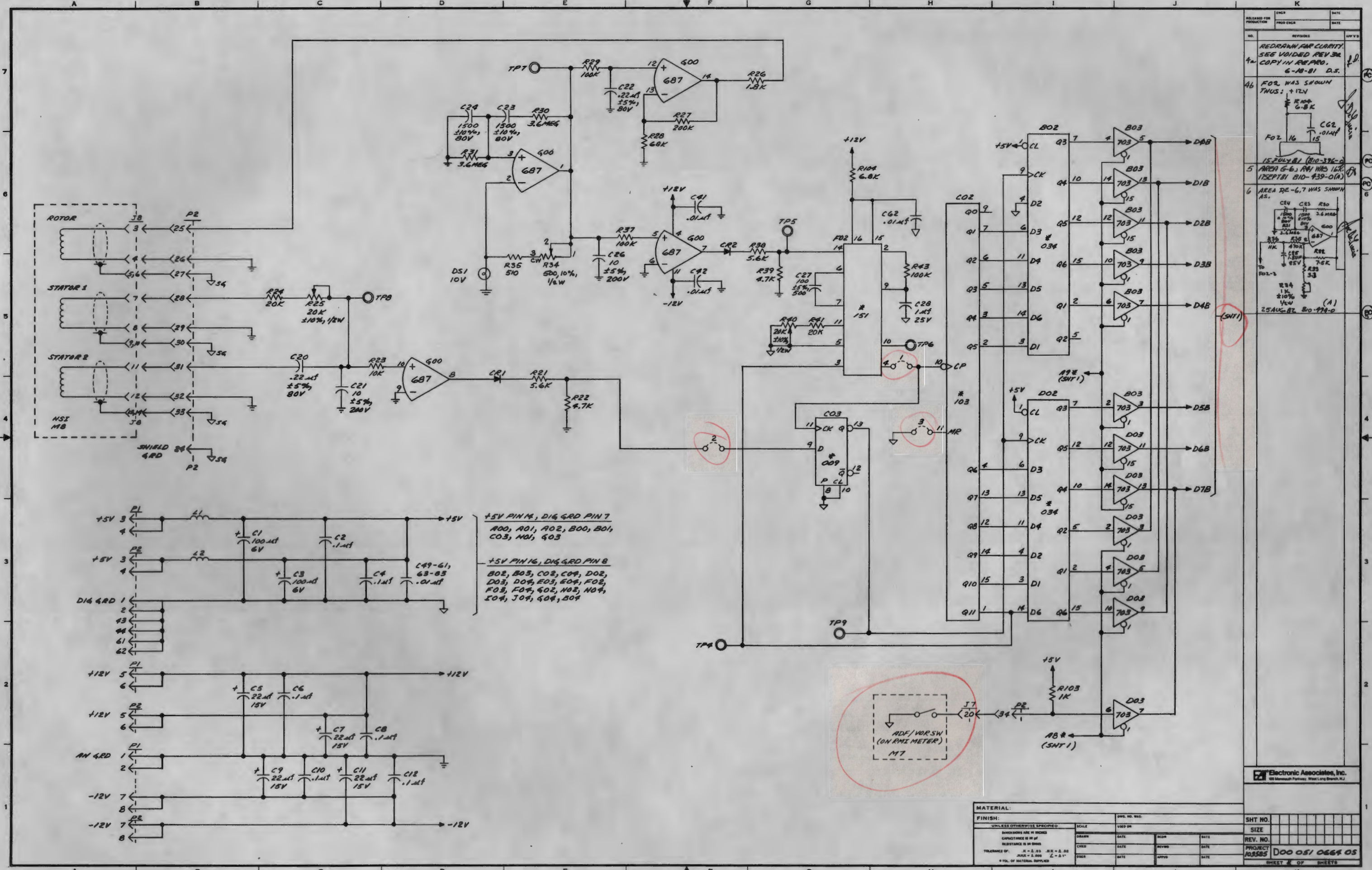
Electronic Associates, Inc.  
 65 Monmouth Parkway, West Long Branch, N.J.

SCHMATIC  
 NAV1/DME (CARD#3)  
 (ATE 810)

MATERIAL: SEE PARTS LIST A00 051 0664 0P

FINISH:	SCALE:	DWG. NO.:	SHT NO.:
UNLESS OTHERWISE SPECIFIED	AS SHOWN	A00 051 0664 0P	2 3
DIMENSIONS ARE IN INCHES	DATE:	DATE:	SIZE:
REFERENCE IS TO DIMS	11/18/80	11-18-80	D
TOLERANCE OF: .125 ± .001 .125 ± .001	DESIGNED BY:	DATE:	REV. NO.:
.001 ± .001 .001 ± .001	C. DESAI	6-18-80	6 8
.001 ± .001 .001 ± .001	DATE:	DATE:	PROJECT:
.001 ± .001 .001 ± .001	8/14/80	6-18-80	A00 051 0664 03
* VOL. OF MATERIAL SUPPLIED	DATE:	DATE:	SHEET 7 OF 8 SHEETS
	WFB	WFB	





NO.	REVISIONS	DATE
4	REDDRAW FOR CLARITY. SEE VOIDED REV 3R COPY IN REPAIR. 6-18-81 D.S.	
46	FOZ WAS SHOWN THUS: +12V	
5	AREA G-6, RWI WAS 16V. 17SEPT81 B10-439-0(A)	
6	AREA DE-6,7 WAS SHOWN AS.	

+5V PIN 14, D14, GRD PIN 7  
A00, A01, A02, B00, B01, C03, N01, 503

+5V PIN 16, D14, GRD PIN 8  
B02, B03, C02, C04, D02, D03, D04, E03, E04, F02, F03, F04, G02, N02, N04, S04, J04, 504, 504

MATERIAL:		PNC. NO. FILE:		SHT NO.:	
FINISH:	UNLESS OTHERWISE SPECIFIED	SCALE:	USED ON:	DATE:	DATE:
DIMENSIONS ARE IN INCHES		DRIVER:	DATE:	REVISOR:	DATE:
CAPACITANCES IN P.F.		CHKD:	DATE:	APPROV:	DATE:
RESISTANCE IN OHMS		DRGR:	DATE:	DATE:	DATE:
TOLERANCE OF: .1% - 0.25% .5% - 1% 1% - 5% 5% - 10%		9 PCL OF MATERIAL SUPPLIED		PROJECT: D00 051 0664 05	
				SHEET 8 OF 8 SHEETS	

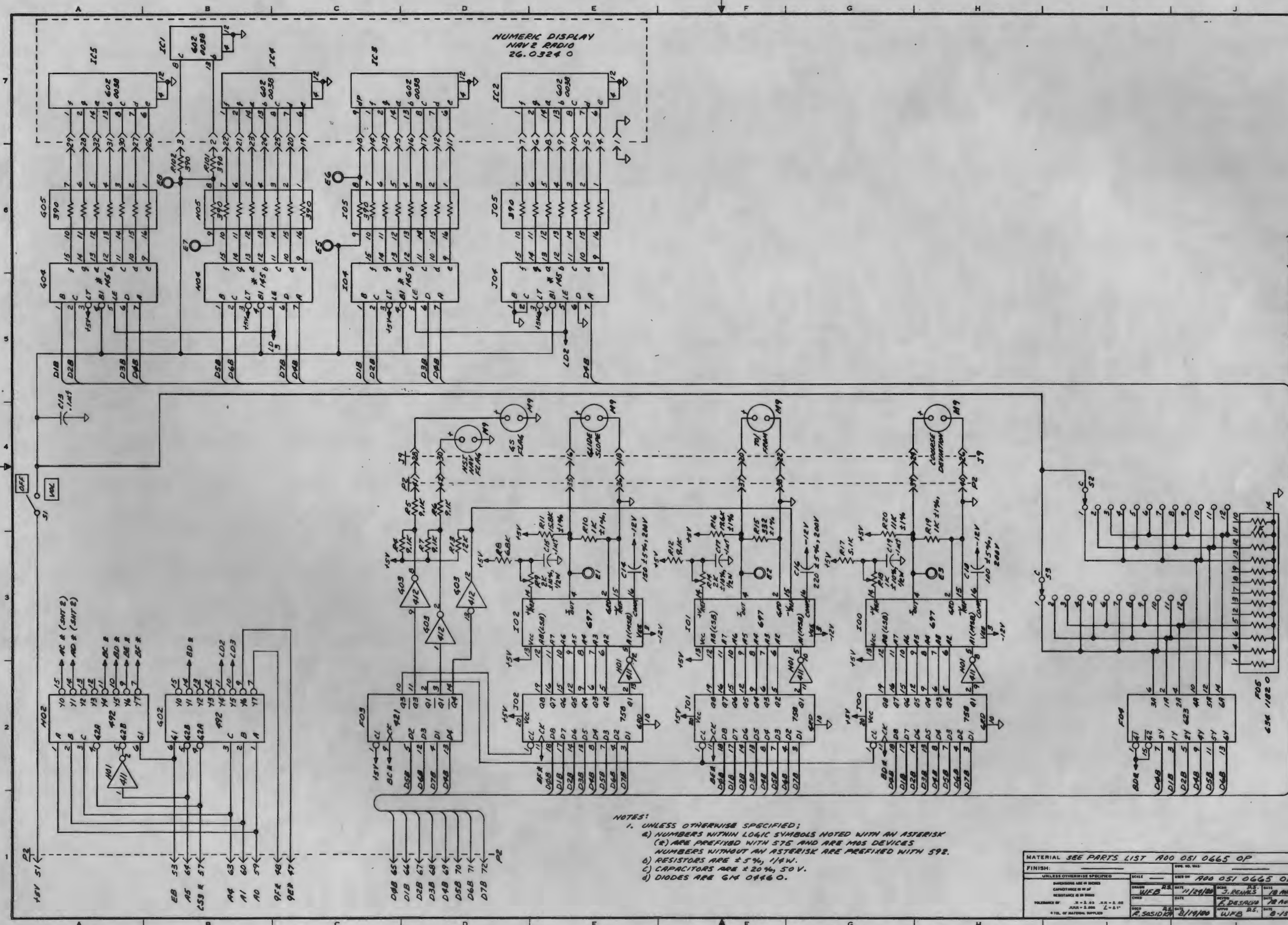
Electronic Associates, Inc.  
40 Research Parkway, West Long Branch, N.J.











NUMERIC DISPLAY  
NAV 2 RADIO  
26.0324 0

- NOTES:  
 1. UNLESS OTHERWISE SPECIFIED;  
 2. NUMBERS WITHIN LOGIC SYMBOLS NOTED WITH AN ASTERISK (\*) ARE PREFIXED WITH 575 AND ARE MOS DEVICES. NUMBERS WITHOUT AN ASTERISK ARE PREFIXED WITH 592.  
 3. RESISTORS ARE ± 5%, 1/4W.  
 4. CAPACITORS ARE ± 20%, 50 V.  
 5. DIODES ARE 614 0446 0.

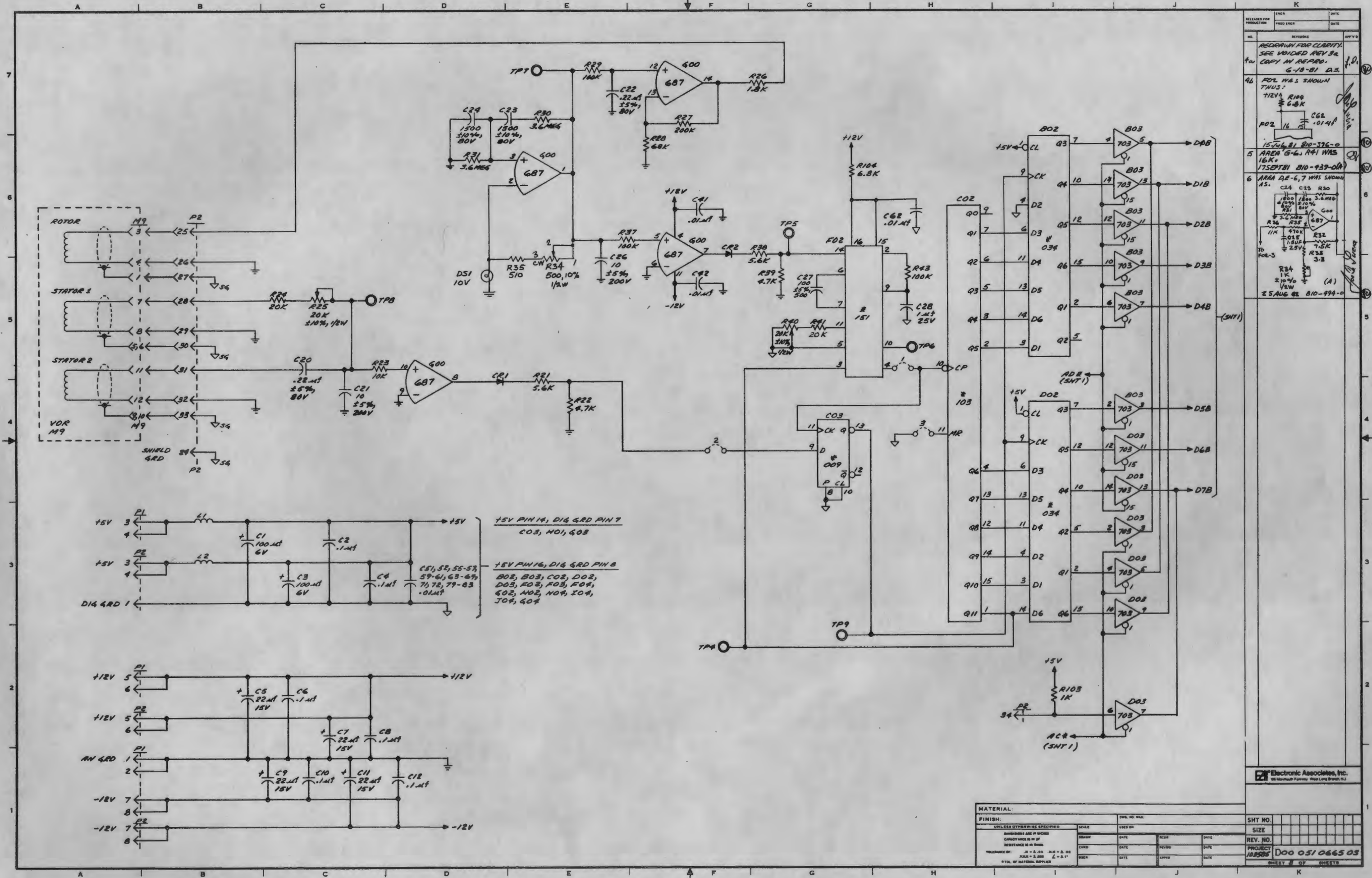
NO.	REVISIONS	DATE
5a	REDRAWN FOR CLARITY. SEE VOIDED REV 4 COPY IN REPRO. 6-18-81 D.S.	
5b	REV'D. SMT. 2. 1576481 (810-376-2)	
6	REV'D. SMT 2. 1758781 810-939-0 (A)	
7	REV'D. SMT 2. (A) 25 AUG 82 810-174-4	

D68-D78 (SMT 2)

MATERIAL SEE PARTS LIST A00 051 0665 OP		SHEET NO. 2	
FINISH: UNLESS OTHERWISE SPECIFIED		SCALE: 1/8" = 1"	
DRAWN BY: WFB		DATE: 11/29/80	
CHECKED BY: WFB		DATE: 12/04/80	
DESIGNED BY: R. SASSIDEN		DATE: 8-15-80	
PROJECT: A00 051 0665 OP		REV. NO. 6	
PROJECT NUMBER: A00 051 0665 OP		DATE: 8-15-80	
SHEET 7 OF 8 SHEETS			

Electronic Associates, Inc.  
88 Monmouth Parkway West Long Branch, N.J.

SCHEMATIC  
NAV 2 (CARD 9)  
(ATE 810)



RELEASED FOR PRODUCTION: [ ]  
 PRODUCTION: [ ]  
 DATE: [ ]

REWORKED FOR CLARITY. SEE VOIDED REV 3a. COPY IN REPER. 6-18-81 D.S. J.D.

46 FOR WBS SHOWN THUS: 12V R104 = 6.8K R02 16 .01MFD

15V R103 1K

5 AREA G-6, R41 WAS 16K 17 SEPT 81 BID-929-0A

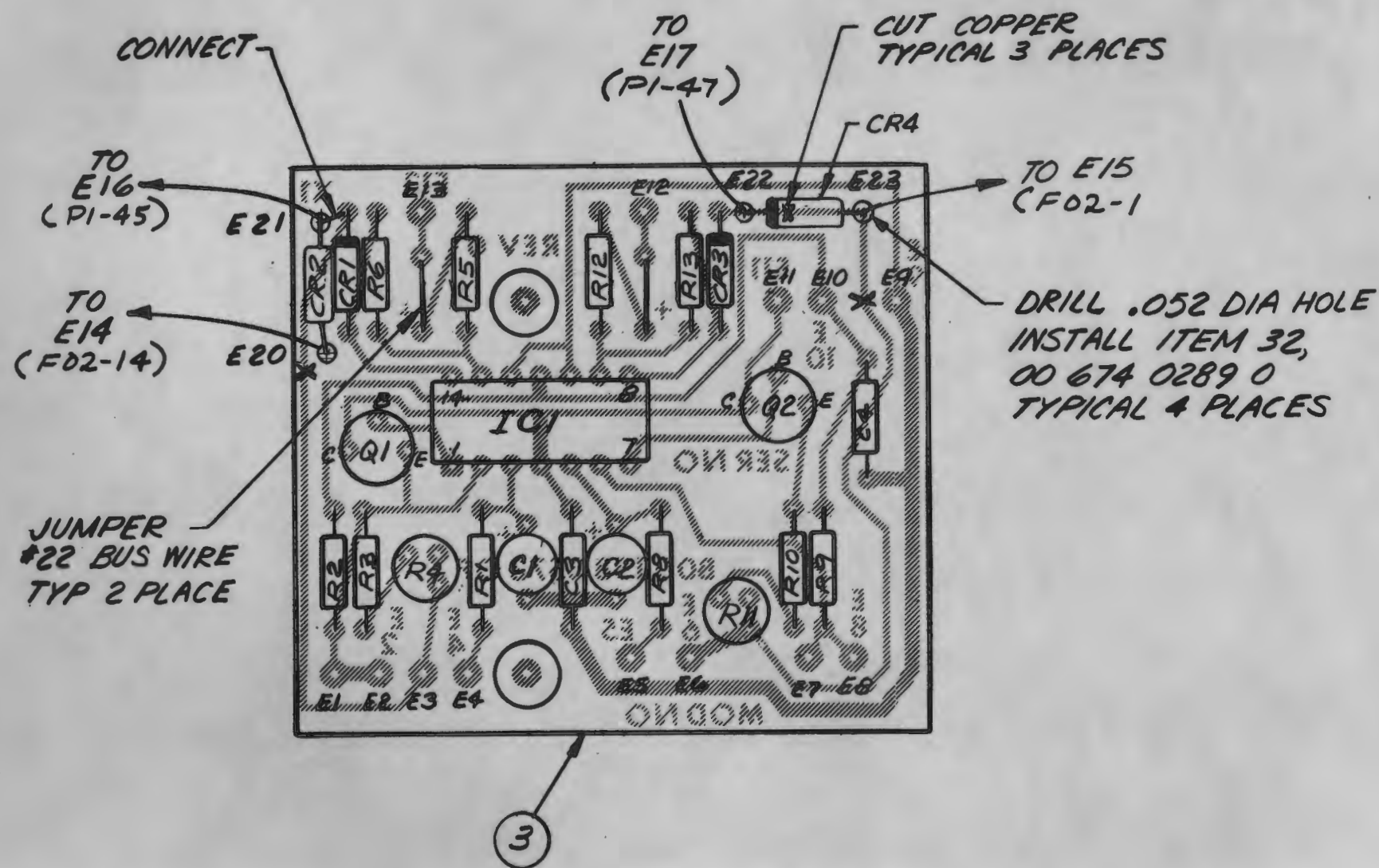
6 AREA DE-6, 7 WAS SHOWN AS:

C14 C23 R30  
 1800 1800 3.6MEG  
 400 200 50V  
 R31 50V  
 R32 7.5K  
 R33 3.3  
 R34 1K  
 10% 1/4W  
 Z 5 AUG 82 BID-994-0

MATERIAL:		DWG. NO. WAS:		SHT. NO.:	
FINISH:	UNLESS OTHERWISE SPECIFIED	SCALE:	USED ON:	SIZE:	
DIMENSIONS ARE IN INCHES		DRAWN:	DATE:	DCOR:	DATE:
CAPACITANCE IS IN PF		CHKD:	DATE:	REV'D:	DATE:
TOLERANCE IS AS SHOWN		DEPT:	DATE:	APP'D:	DATE:
TOLERANCE OF: .3" ± .03 .125" ± .005 .062" ± .002 .031" ± .001					
*TYP. OF NATIONAL SUPPLIER					
PROJECT: 1000505				SHEET 8 OF 8 SHEETS	



NOTES: 1.) MODEL NO. AND SERIAL NO. TO BE RUBBER STAMPED IN AREA PROVIDED ON CARD.  
 2.) WIRES TO E14-E17 ARE YEL #24 GA, 1 FT LG. AND ARE LATER TERMINATED INTO 51.0663 CARD,



RELEASED FOR PRODUCTION	ENGR	DATE
	PROD ENGR	DATE

NO.	REVISIONS	APP'D
1	EXTENSIVE CHGS MADE REV 0 VOIDED COPY IN REPRO. 30CT81 BP ECO # 810-460-1	JFK

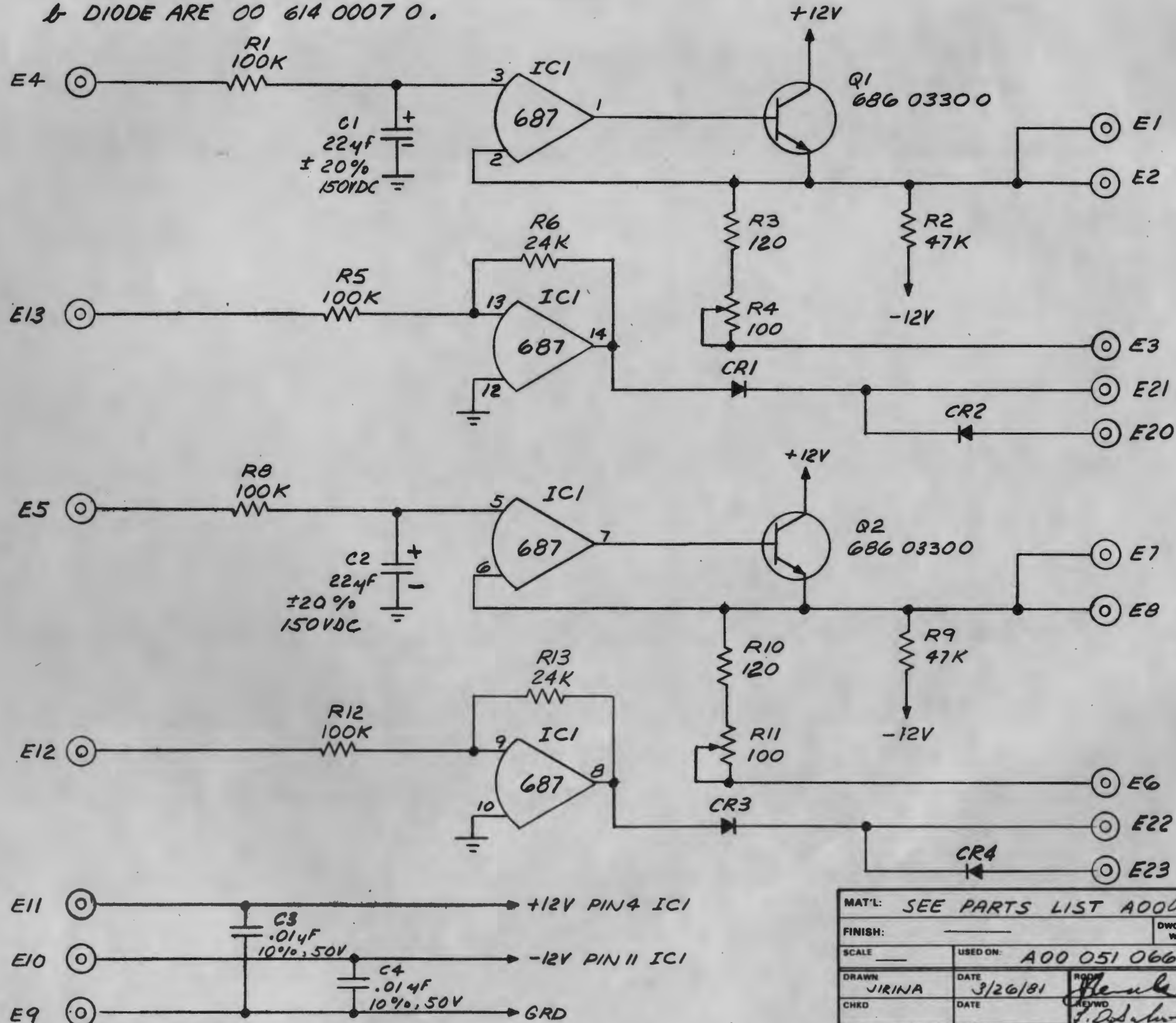
UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 CAPACITANCE IS IN pF  
 RESISTANCE IS IN OHMS  
 TOLERANCE OF: X = ±.03 KX = ±.03  
 .XX = ±.000 L = ±.1"  
 \* TOL. OF MATERIAL SUPPLIED

**EAI** Electronic Associates, Inc.  
 185 Monmouth Parkway, West Long Branch, N.J.

**ASSEMBLY**  
**FUEL FLOW**  
**(DAUGHTER BOARD)**  
**(810)**

MAT'L: SEE PARTS LIST. A00 051 0667 OP				SHT. NO.	
FINISH:		DWG. NO. WAS		SIZE	
SCALE 2:1	USED ON: A00 051 0667 OP			REV. NO.	
DRAWN J.KAY	DATE 3/26/81	ROD J. Kay	DATE 16 APR 81	PROJECT 103282 B 00 051 0667 OA	
CHKD	DATE	REVWD J. Kay	DATE 4-14-81	SHEET 1 OF 1 SHEETS	
DESR Koo M.	DATE 3-31-81	APPRV JPK	DATE 4/7/81		

NOTES: 1, UNLESS OTHERWISE SPECIFIED:  
 a RESISTORS ARE:  $\pm 5\%$ , 1/4W.  
 b DIODE ARE 00 614 0007 0.

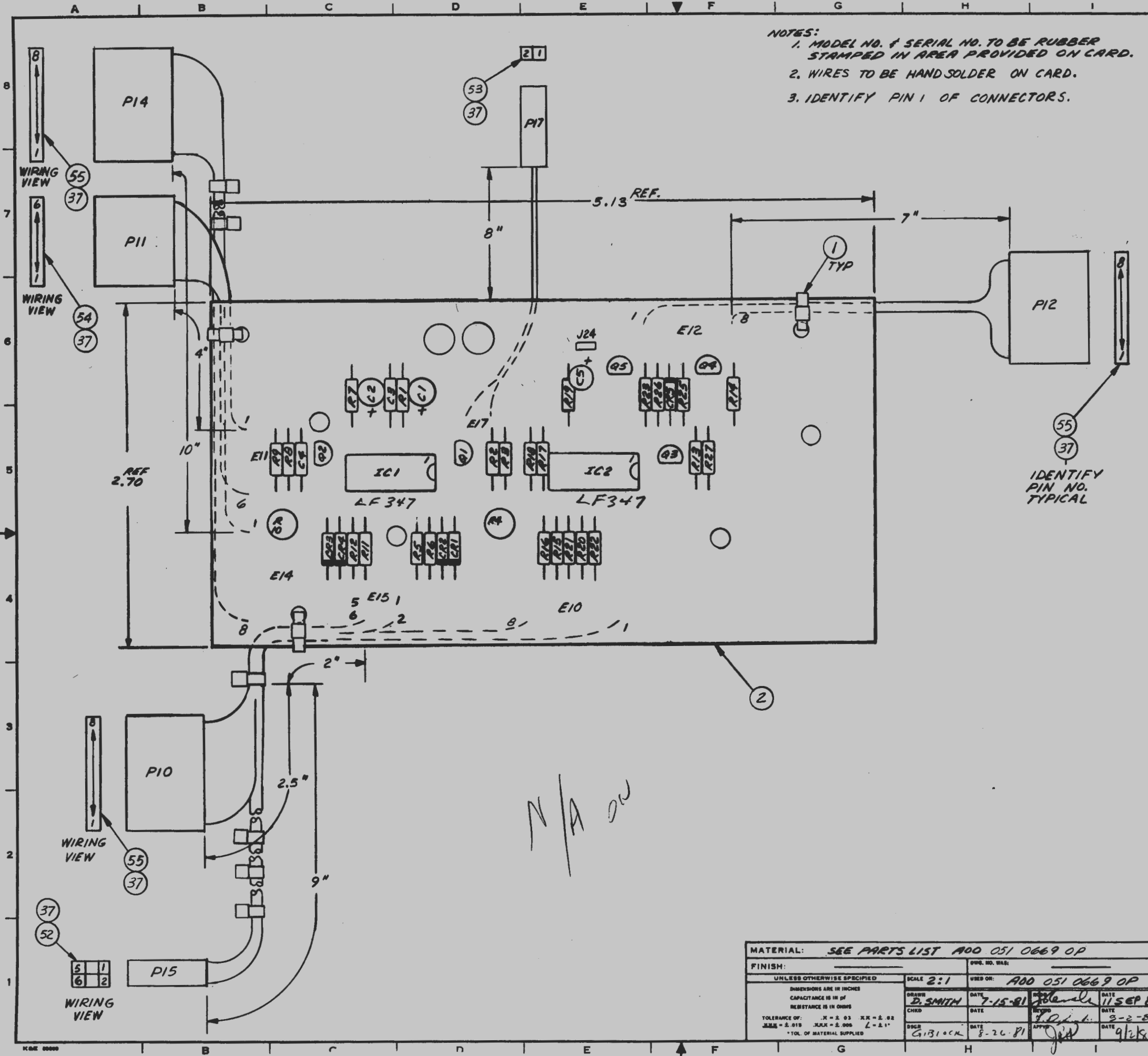


MAT'L: SEE PARTS LIST A0005106670P			
FINISH: _____		DWG. NO. _____	
SCALE _____		USED ON: A00 051 0667 0P	
DRAWN: JIRINA	DATE: 3/26/81	DATE: 16 APR 81	DATE: 4/14/81
CHKD: _____	DATE: _____	DATE: _____	DATE: _____
DATE: 3-31-81	DATE: _____	DATE: 3/17/81	DATE: _____

RELEASED FOR PRODUCTION	ENGR	DATE
	PROD ENGR	DATE
NO.	REVISIONS	APP'D
1	EXTENSIVE CHGS MADE, REV 0 VOIDED COPY IN REPRO 30CT 81 B.P. ECO# 810-460-1	Jirina
UNLESS OTHERWISE SPECIFIED		
DIMENSIONS ARE IN INCHES		
CAPACITANCE IS IN pF		
RESISTANCE IS IN OHMS		
TOLERANCE OF: .X = $\pm .03$ .XX = $\pm .02$		
.XXX = $\pm .005$ L = $\pm 1^\circ$		
* TOL. OF MATERIAL SUPPLIED		
EAI Electronic Associates, Inc. 185 Monmouth Parkway, West Long Branch, N.J.		
SCHEMATIC FUEL FLOW (DAUGHTER BOARD) (B1Q)		
SHT. NO.	SIZE	REV. NO.
PROJECT	B 00 051 0667 05	
103585		
SHEET 1 OF 1 SHEETS		

KEUFFEL & ESSER CO. 85181





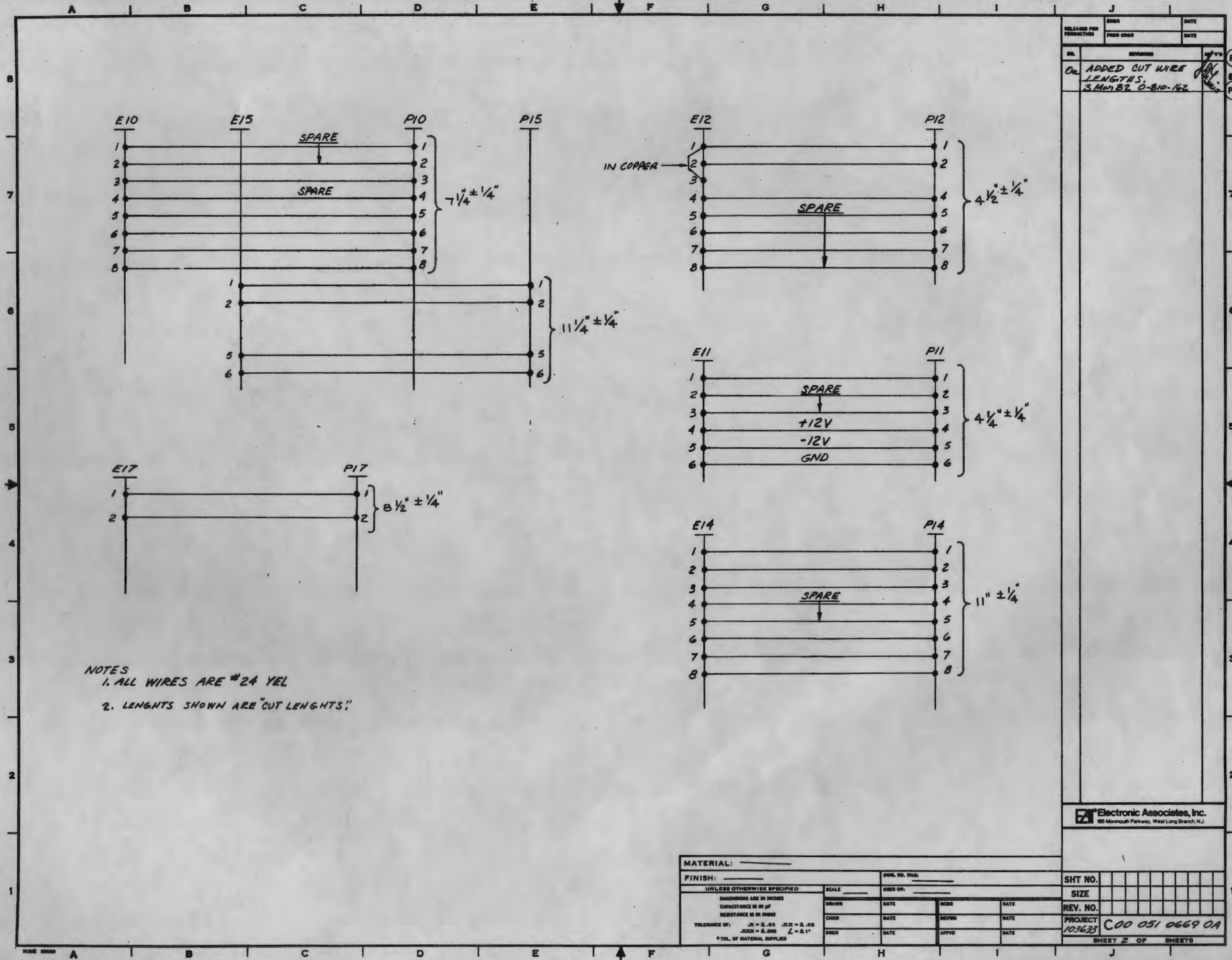
NOTES:  
 1. MODEL NO. & SERIAL NO. TO BE RUBBER STAMPED IN AREA PROVIDED ON CARD.  
 2. WIRES TO BE HANDSOLDER ON CARD.  
 3. IDENTIFY PIN 1 OF CONNECTORS.

RELEASED FOR PRODUCTION	DATE
NO.	REVISED
1	REF DIM. 5.13 WAS 5.20 17 Feb 82 810-470-1
1a	REVD INTZ 3 Mar 82 0-810-162

N/A DW

MATERIAL: SEE PARTS LIST A00 051 0669 OP	
FINISH:	SCALE 2:1
UNLESS OTHERWISE SPECIFIED	USED ON: A00 051 0669 OP
DRAWN: D. SMITH	DATE: 7-15-81
CHECKED: GIBLOCK	DATE: 8-26-81
DESIGNED: GIBLOCK	DATE: 8-26-81
APPROVED: [Signature]	DATE: 9/2/81

EAI ELECTRONIC ASSOCIATES, INC. New York, N.Y.	
ASSEMBLY	
FUEL FLOW/BRAKE CARD (ATC 810)	
SHT NO.	2
SIZE	C
REV. NO.	01
PROJECT	C00 051 0669 01
SHEET 1 OF 2 SHEETS	

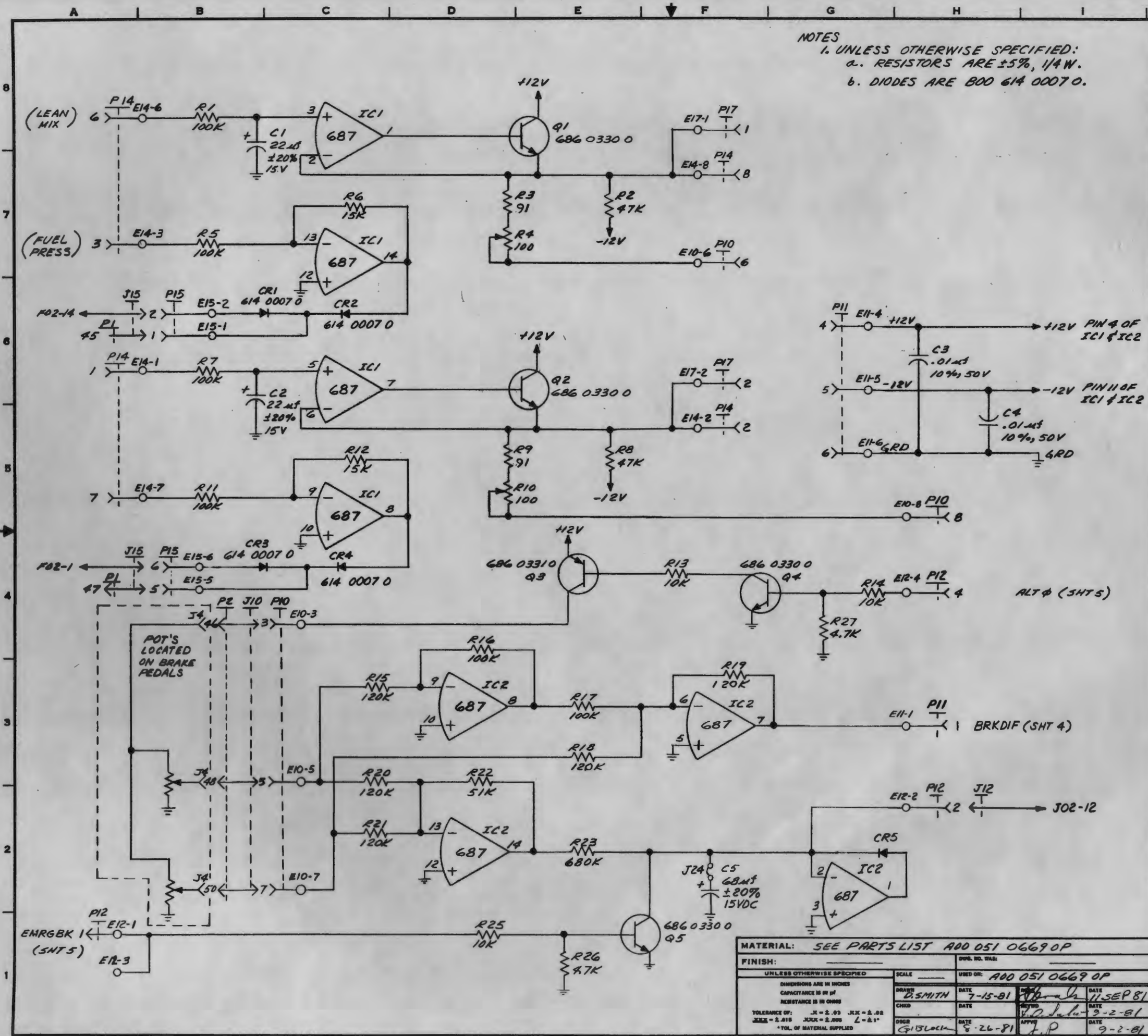


RELEASED FOR PRODUCTION	DATE
DESIGN	DATE
PROD. ENGINEER	DATE
NO.	REVISED
DATE	BY
ON ADDED CUT WIRE LENGTHS. 3 MAR 82 0-810-162	

ELECTRONIC ASSOCIATES, INC.	
105 MORRIS PARKWAY, WEST LONG BRANCH, N.J.	
SHT NO.	1
SIZE	
REV. NO.	
PROJECT	C00 051 0669 0A
SHEET 2 OF SHEETS	

MATERIAL:		DWG. NO. 114:	
FINISH:		USED ON:	
UNLESS OTHERWISE SPECIFIED		SCALE	DATE
DIMENSIONS ARE IN INCHES		DATE	DATE
CAPACITANCE IS IN P.F.		DATE	DATE
RESISTANCE IS IN OHMS		DATE	DATE
TOLERANCE OF: .125 - .005 .125 - .005		DATE	DATE
.005 - .005 .125 - .005		DATE	DATE
*TOL. OF MATERIAL SUPPLIED		DATE	DATE





NOTES  
 1. UNLESS OTHERWISE SPECIFIED:  
 a. RESISTORS ARE  $\pm 5\%$ , 1/4 W.  
 b. DIODES ARE 800 614 0007 0.

RELEASED FOR PRODUCTION	DATE	NO.	REVISIONS	APPROV.
		1	CHANGED R19 & R23. 25 AUG 81 BP	
		1	AREA E-5,7, R3 & R9 WERE 120 $\Omega$ . 29 SEP 82 B10-512 0	
		2	R19 WAS 220K (A) 3 Jan 83 B10-521-0	

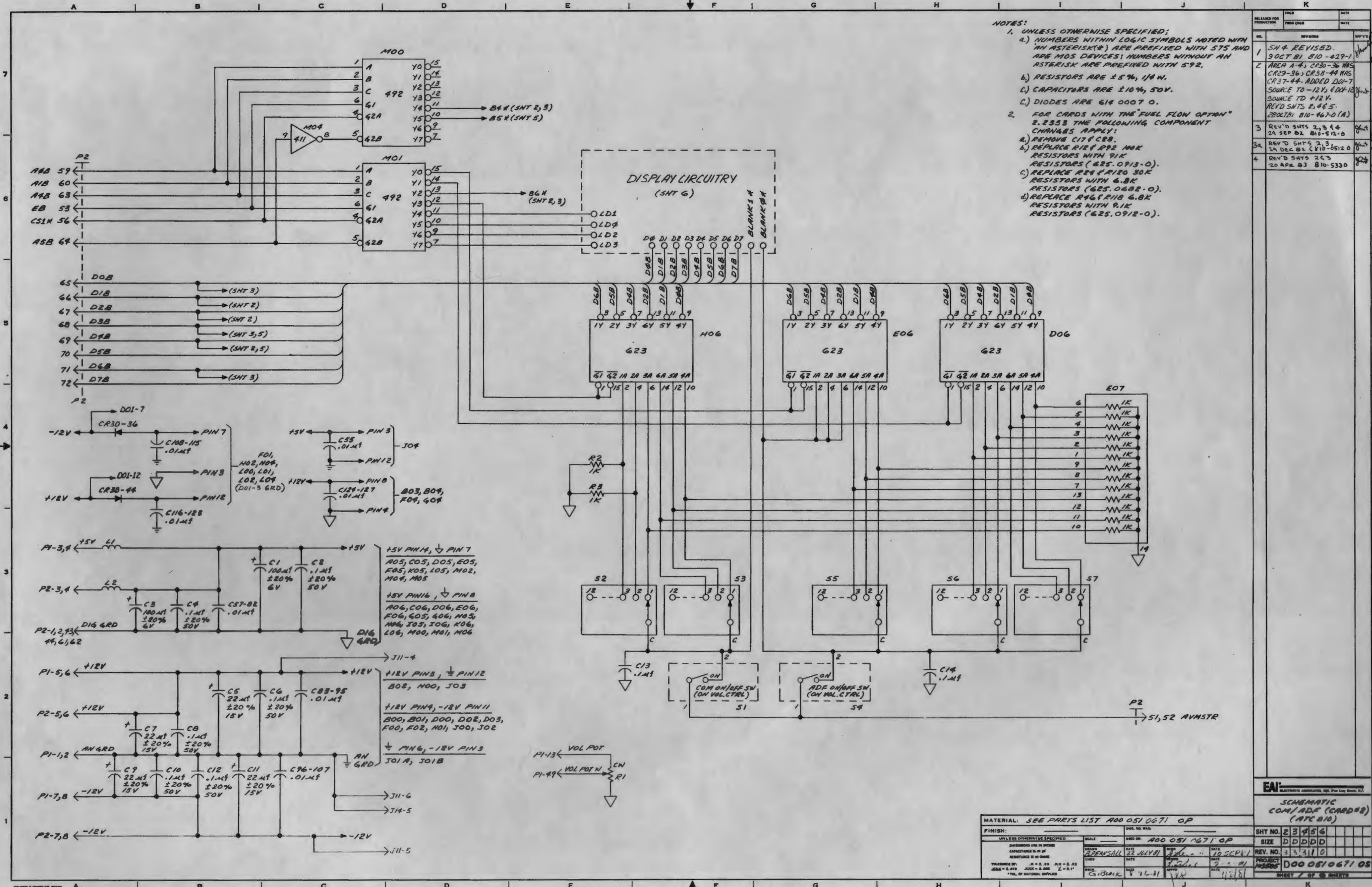
<b>EAI</b> ELECTRONIC ASSOCIATES, INC. 100 Long Beach, N.J.	
SCHEMATIC FUEL FLOW/ BRAKE CARD (ATC 810)	
SHT NO.	1
SIZE	
REV. NO.	
PROJECT	C00 051 066 9 05
SHEET 1 OF 1 SHEETS	

MATERIAL: SEE PARTS LIST ADD 051 0669 0P	
FINISH:	
UNLESS OTHERWISE SPECIFIED	SCALE: _____
DIMENSIONS ARE IN INCHES	USED OR: ADD 051 0669 0P
CAPACITANCE IS IN pF	DATE: 7-15-81
RESISTANCE IS IN OHMS	DATE: 11 SEP 81
TOLERANCE OF: .X = $\pm .03$ .XK = $\pm .02$	DATE: 3-2-81
.XKX = $\pm .018$ .XKXK = $\pm .009$ L = $\pm 1^\circ$	DATE: 8-26-81
*TOL. OF MATERIAL SUPPLIED	DATE: 9-2-81









- NOTES:
- UNLESS OTHERWISE SPECIFIED;
    - NUMBERS WITHIN LOGIC SYMBOLS NOTED WITH AN ASTERISK(\*) ARE PREFIXED WITH 575 AND ARE MOS DEVICES; NUMBERS WITHOUT AN ASTERISK ARE PREFIXED WITH 592.
    - RESISTORS ARE  $\pm 5\%$ , 1/4 W.
    - CAPACITORS ARE  $\pm 10\%$ , 50V.
    - DIODES ARE 614 0007 O.
  - FOR CARDS WITH THE FUEL FLOW OPTION\*
    - 2.253 THE FOLLOWING COMPONENT CHANGES APPLY:
      - REMOVE C17 & C18.
      - REPLACE R12 & R92 100K RESISTORS WITH 9.1K RESISTORS (625.0913-0).
      - REPLACE R24 & R180 30K RESISTORS WITH 6.8K RESISTORS (625.0682-0).
      - REPLACE R16 & R18 6.8K RESISTORS WITH 9.1K RESISTORS (625.0912-0).

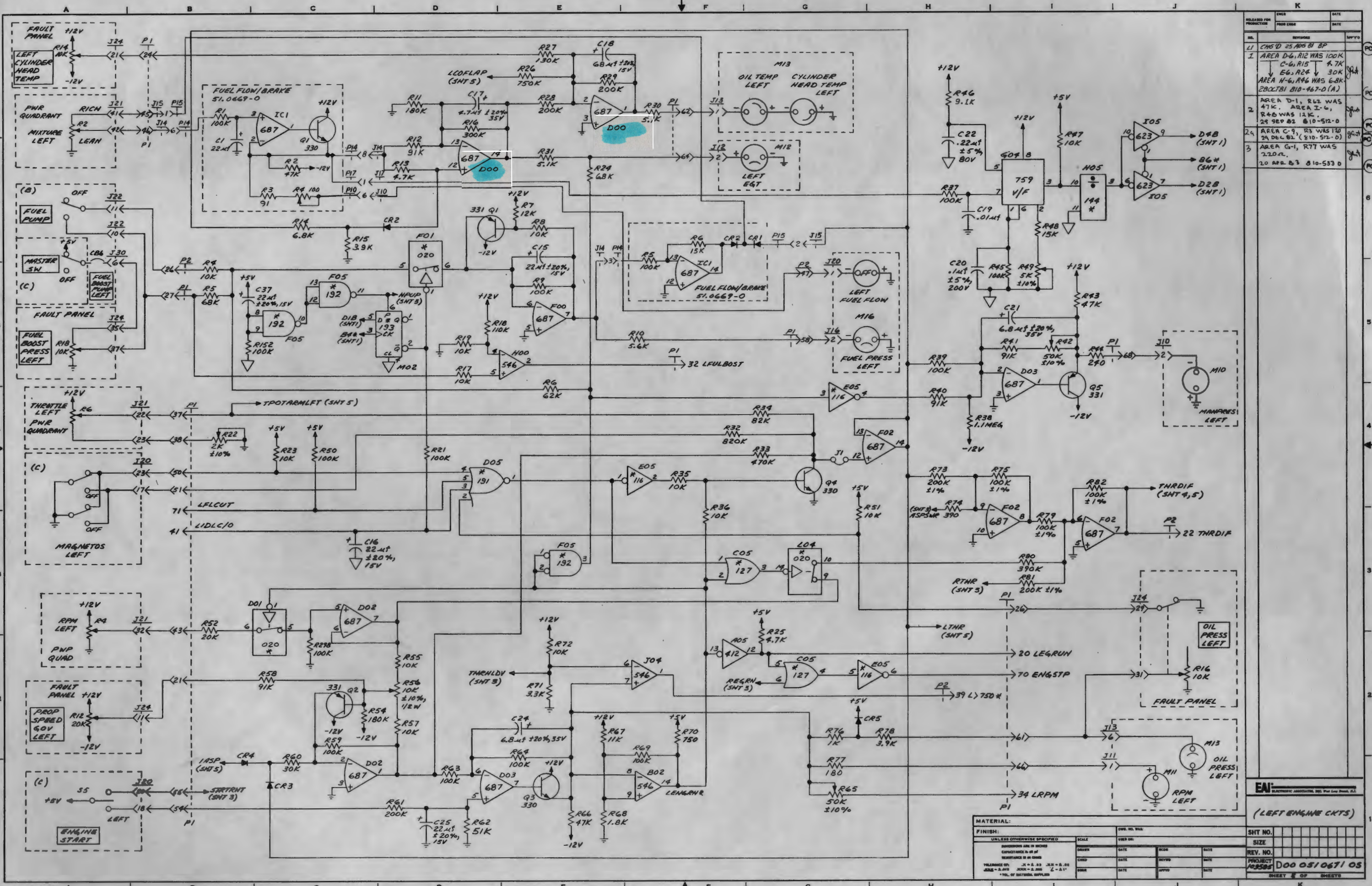
REVISED FOR	DATE	BY	DATE
1	9 OCT 81	B10-429-1	
2	24 SEP 82	B10-512-0	
3	19 DEC 82	B10-5512-0	
4	20 APR 83	B10-5330	

EAI

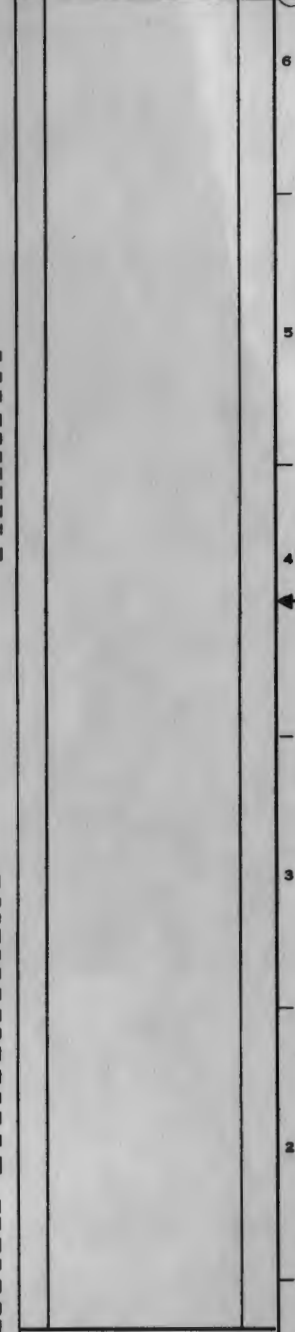
SCHEMATIC  
COM/ADF (CARD#8)  
(ATC B10)

MATERIAL: SEE PARTS LIST A00 051 0671 OP	REV. NO. 05	SHT NO. 23456
FINISH:	SCALE: 1" = 1"	SIZE: DDDDD
UNLESS OTHERWISE SPECIFIED:	DATE: 22 JULY 81	DATE: 10 SEP 81
DESIGNED BY: R. DEAN'S ALL	DATE: 22 JULY 81	DATE: 10 SEP 81
CHECKED BY: J. J. ...	DATE: 22 JULY 81	DATE: 10 SEP 81
PROJECT: 000 051 0671 05	DATE: 22 JULY 81	DATE: 10 SEP 81





NO.	REVISIONS	DATE
L1	CHG'D 25 AUG 61 BP	
1	AREA D-4, R12 WAS 100K C-6, R15 4.7K E-6, R24 30K AREA H-6, R46 WAS 6.8K 28 OCT 61 810-467-D (A)	
2	AREA D-1, R62 WAS 47K. AREA I-6, R46 WAS 12K. 29 SEP 62 810-512-0	
2A	AREA C-9, R3 WAS 120 29 DEC 61 (810-512-0)	
3	AREA G-1, R77 WAS 2.20K. 20 APR 63 810-533-0	



MATERIAL:		OWN. NO. VAL.		SHT NO.	
FINISH:	UNLESS OTHERWISE SPECIFIED	SCALE:	USED ON:	SIZE:	
TOLERANCE ON:	± 0.001	DRAWN:	DATE:	REV. NO.:	
± 0.002	± 0.005	CHECKED:	DATE:	PROJECT:	
± 0.005	± 0.010	APPROVED:	DATE:	NO. OF SHEETS:	105
± 0.010	± 0.020			SHEET # OF SHEETS:	105









**ELECTRIC TRIM**  
Field Installation Instructions

1. Put electric trim harness, lug end, thru rudder harness opening.
  2. Connect yellow wire, with lug, to bottom of circuit breaker one (CB1).
  3. Connect black wire, with lug, to top of circuit breaker one (CB1). This is circuit breaker for electric trim.
  4. Dress yellow and black wires as shown on Sheet 2 of Assembly Drawing.
  5. Remove orange wire on J-25 (rudder) connector (Pin 11 on J-25) and install red wire into J-25 Pin 11.
  6. Solder orange wires together and cover with shrink tubing.
  7. Install white wire (designated 1) on +12 volt lug on backplane.
  8. Install black wire in J-25 Pin 19.
- NOTE: Locking tab on side of Pin must be up, and fall into visible slot.
9. White/white-gray twisted pair (AC voltage) install white wire on position 5 of TB1, and white-gray on position 4 of TB1.
  10. Feed 3 black twisted wires, with sleeving, thru coil of mic switch wire and solder to terminals of slide switch as shown in Detail 1A.
  11. Remove mic switch from previous cover and install on new mic/trim switch (Item 28).
  12. Strip 2 inches of insulation from mic wire. Slice a 1-3/4 inch piece of number 14 shrink tubing over white wire and shield. The shield is used for the second conductor. Push tubing up to butt against insulation and cover braid.
  13. Solder shield wire to Pin 2, and white wire to Pin 4 as shown on Sheet 1 of 3 of the Assembly Drawings.
  14. Mount new trim cover (Item 28) and spacer (Item 36) on control wheel.
  15. Add TY-RAP on mic switch cable as shown on Sheet 3 of Assembly Drawings.
  16. Mount S1 and S2 brackets with two screws and washers (Items 52 and 64).

DATE	BY	DATE	BY
15 APR 63	WLB	17 MAR 63	ES
15 APR 63	WLB	15 MAR 63	ES
15 APR 63	WLB	15 MAR 63	ES

REV. NO.	DATE	BY
103667		
B 00 002 2405 OH		

**ELECTRIC TRIM**  
FIELD INSTALLATION INSTRUCTIONS  
(ATC-810)

**Electronic Associates, Inc.**  
25 Monmouth Parkway, West Long Branch, N.J.

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
CAPACITANCE IS IN PF  
RESISTANCE IS IN OHMS

TOLERANCE OF: X ± .03    Y ± .02  
Z ± .02    W ± .01

\* TOL. OF MATERIAL SUPPLIED

**CUSTOMER'S COPY**

APR 5 1963

SUBJECT TO CHANGE  
WITHOUT NOTICE

**BELLAERO INCORPORATED**

RECEIVED

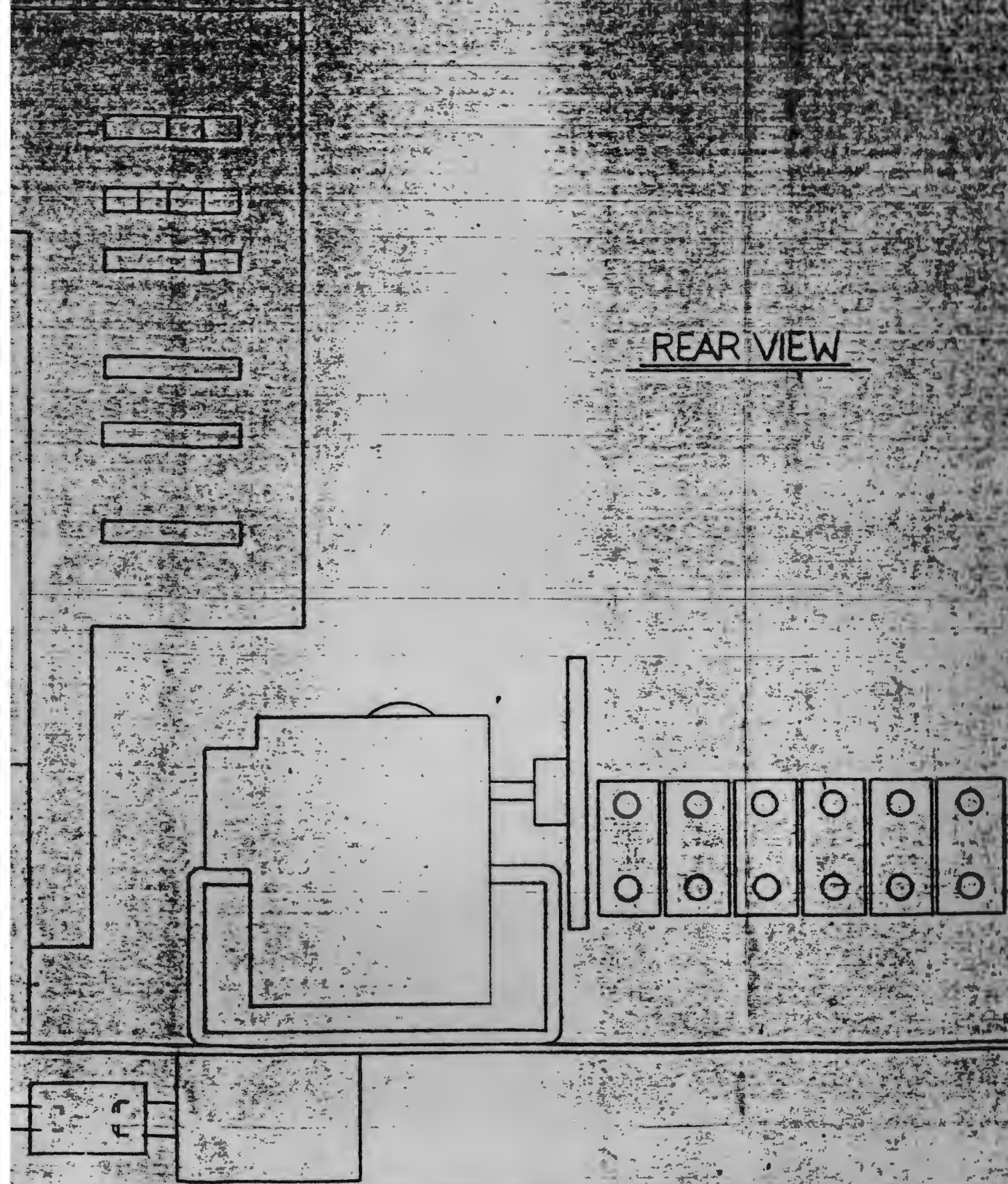
MAY 19 1963

Asst. ....

NO.	REVISIONS	APPROVED

RELEASED FOR PRODUCTION	DATE
PROD ENGR	DATE
QUAL CONT	DATE



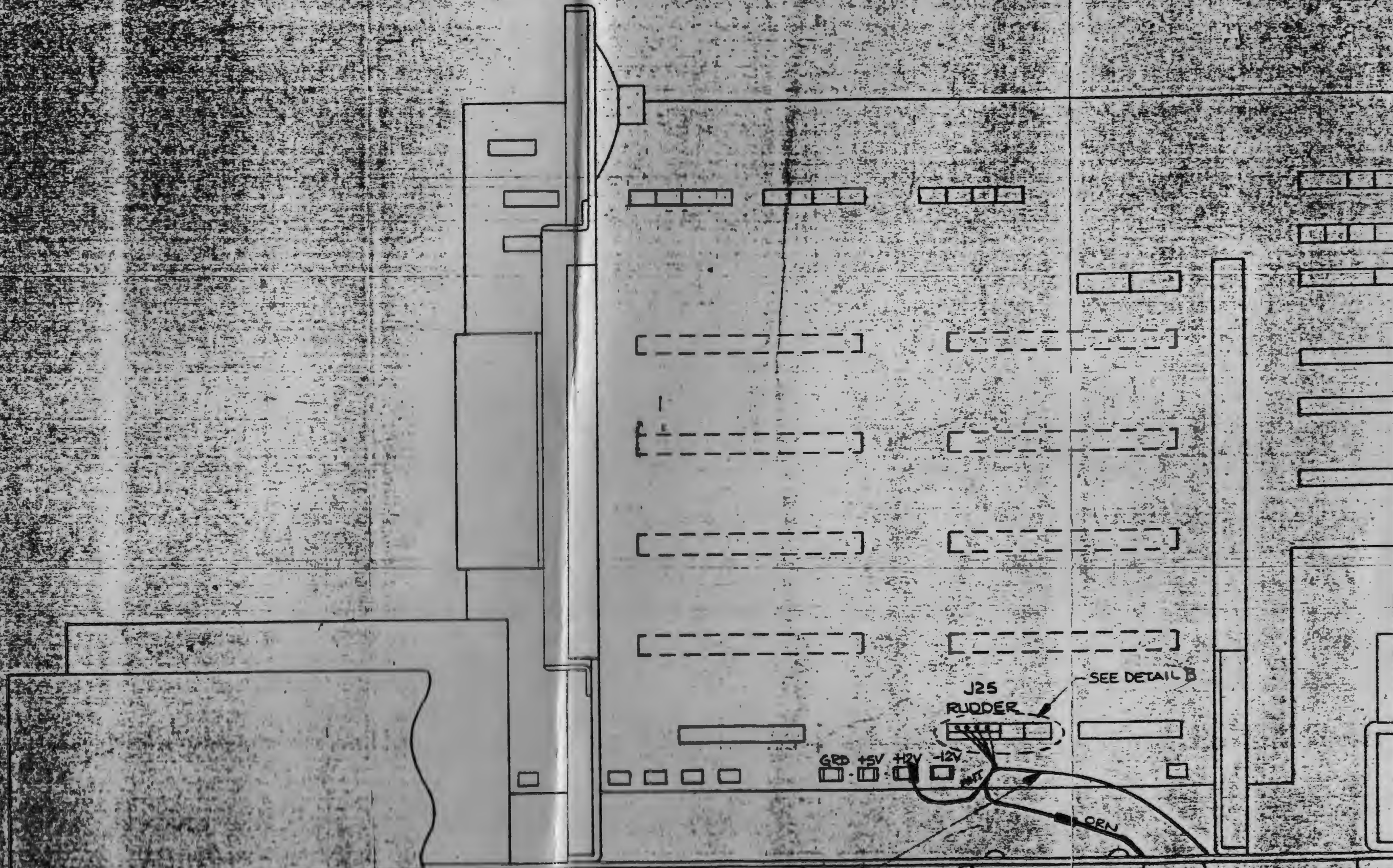


- ROTATE INNER BELT OF UNIT.  
 LOOSEN BELT MOUNTING SCREWS ON THE "U" BRACKET NEXT TO FOUR TO REMOVE BELT.  
 LOOSEN SET SCREW IN THE CLUTCH AS INDICATED, SLIDE THE CLUTCH DOWN THE SHAFT SO THAT THE BELT PORTIONS OF THE COUPLING ARE SEPARATED. REMOVE ANY BURRS ON THE SHAFT CAUSED BY COUPLING SET SCREWS.  
 8) LET THE SHAFT REST IN THE "U" BRACKET & THEN REMOVE THE COUPLING FROM THE SHAFT. IF THERE IS NOT ENOUGH CLEARANCE TO REMOVE THE COUPLING THE SCREWS IN THE "U" BRACKET MAY NEED ADDITIONAL LOOSENING.  
 9) NEXT INSTALL THE NEW DRIVE PULLEY, ITEM 12, ON THE SHAFT & SLIDE THE COLLAR, ITEM 24, OF THE CLUTCH, & THE COUPLING HALF ONTO THE SHAFT.  
 10) REASSEMBLE THE COUPLING. DO NOT TIGHTEN SET SCREW. TIGHTEN THE TWO (2) MOUNTING SCREWS HOLDING THE "U" BRACKET WHILE PULLING OUT ON THE BRACKET SO THAT SLACK IS REMOVED FROM THE BELT. ADJUST THE COUPLING SO THERE IS ABOUT 1/16" GAP BETWEEN THE RUBBER & METAL AT EACH END. TIGHTEN ITS SET SCREW AGAINST THE FLAT ON THE SHAFT.  
 11) ALIGN CLUTCH PULLEY BELT & ELECTRIC TRIM PULLEY SO THAT THEY RUN TRUE & BELT IS TAUT. SECURE CLUTCH TO SHAFT BY TIGHTENING TWO (2) SET SCREWS IN THE CLUTCH. TIGHTEN FOUR (4) MOUNTING SCREWS ON THE ELECTRIC TRIM UNIT, ITEM B. SLIDE COLLAR SNUGLY AGAINST PULLEY PORTION OF CLUTCH & TIGHTEN THE SET SCREW. INSTALL CONNECTOR "P3" ON ITEM B (TOP 4 PINS) IDENTIFY "P3" WITH PAPER LABEL.  
 12) ON ITEM 46, 00-664-D17-D, (53) REMOVE 1/8 INCH OFF ONE END OF THE INNER WIPER SLIDE.









REMOVE ORANGE WIRE FROM  
CONNECTOR & CONNECT TO ORANGE  
WIRE FROM NEW CABLE ITEM 4

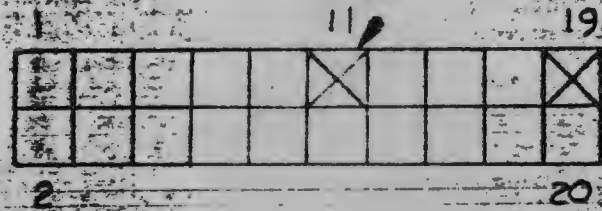
REF  
4

RECEIVED  
MAY 19 1989  
Ass'd.....

BELLAERO INCORPORATED



REMOVE ORANGE WIRE FROM  
CONNECTOR & CONNECT TO ORANGE  
WIRE FROM NEW CABLE, ITEM 4.  
INSERT RED WIRE FROM ITEM 4 INTO  
POSITION 11 ON J25.



WIRING VIEW OF EXISTING  
CONNECTOR J25

DETAIL B

INSERT BLACK WIRE  
FROM CABLE, ITEM 4.

REF  
4

8

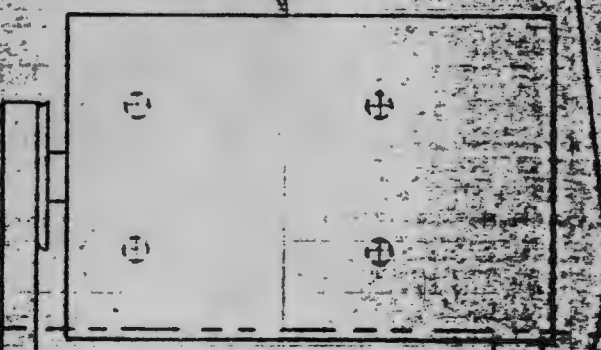
TEMPLATE  
800 278 0681c 0

↑  
REAR EDGE  
OF CHASSIS

"U" BRACKET

12

26



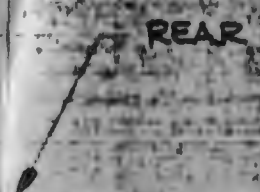
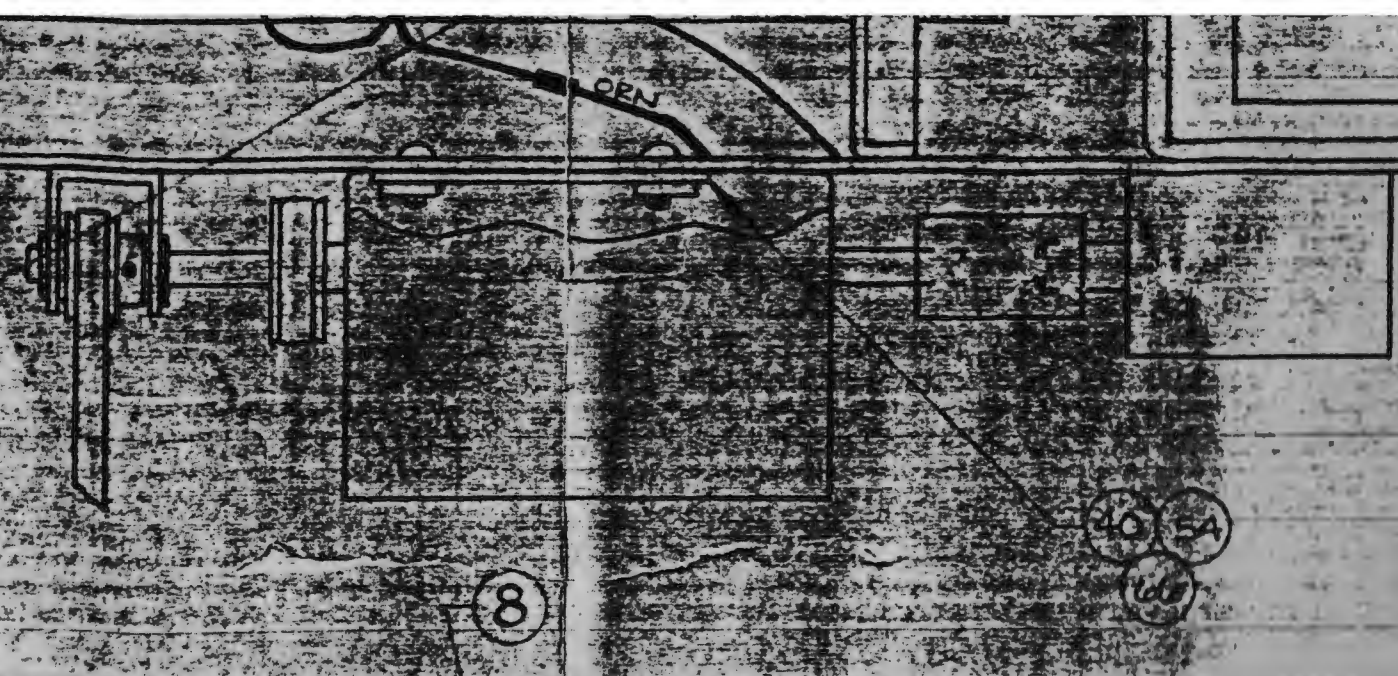
RECEIVED  
MAY 19 1989

24

22

DE LAERO JACOBO ORATI





TEMPLATE  
800 278 0686 0

REAR EDGE  
OF CHASSIS

4 REF.

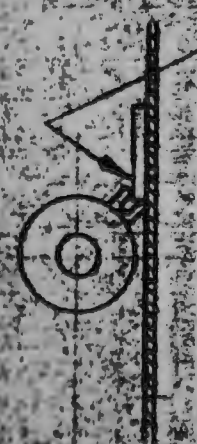
BOTTOM VIEW



IF HOLES FOR MOUNTING ITEM 8 ARE  
NOT IN CHARACTER, LOCATE TEMPLATE  
AS SHOWN, TAPE IN PLACE, AND  
DRILL 4 .234 DIA HOLES AS SPEC'D  
ON TEMPLATE.

COUPLING  
SEE NOTE 1

REF.  
MOUNT ITEM 22 SNUGGLY AGAINST  
TORQUE TAB OF CLUTCH TO KEEP  
CLUTCH FROM ROTATING.



SECTION A-A

BELLERO INCORPORATED

RECEIVED  
MAY 19 1985

Ans d.....

MATERIAL	
FINISH	
DWG. NO. 848	

SEE NOTE 1

SEE SECT A-A

TO P3

24

22

22

30

8

40

54

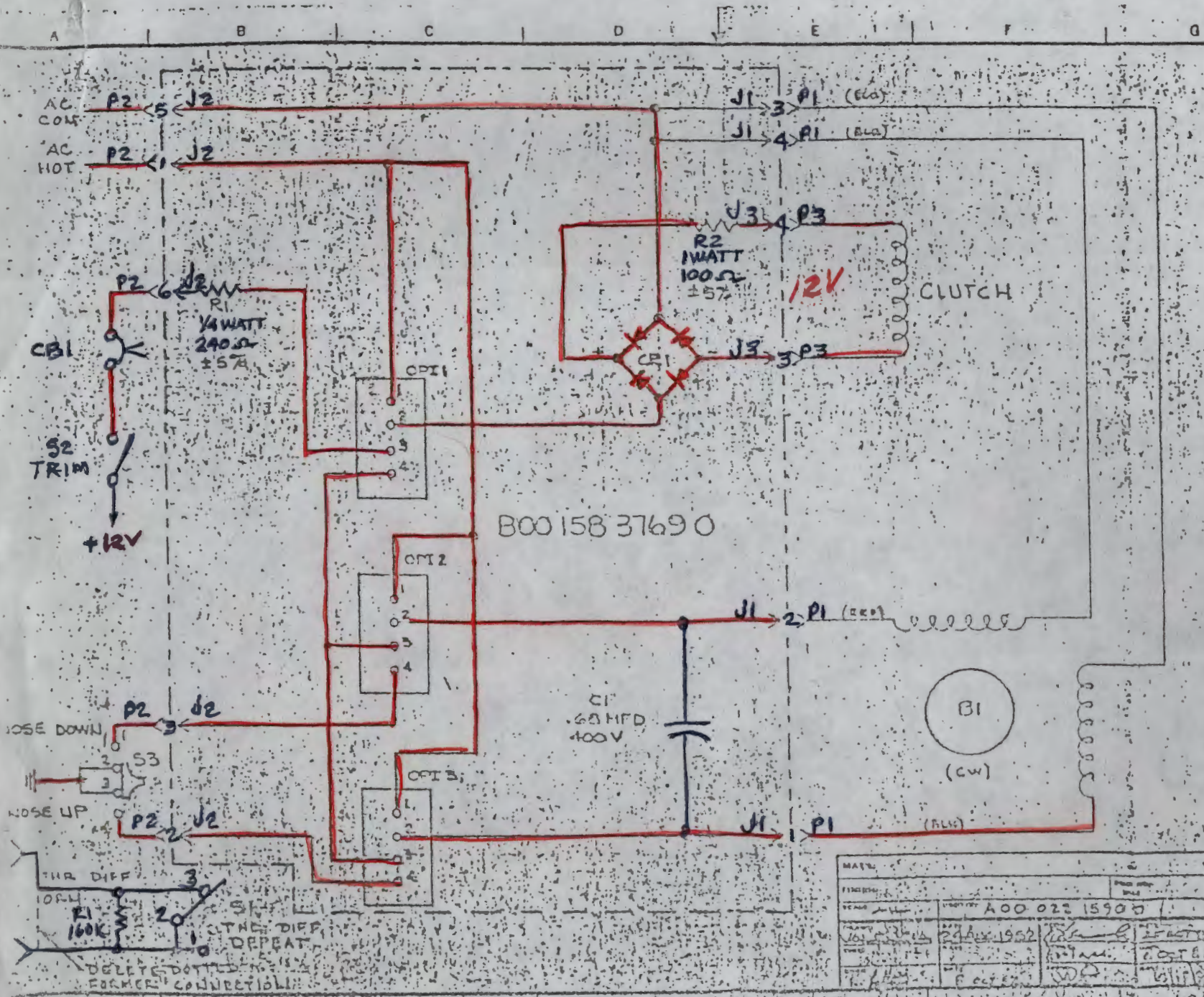


TO GEAR TO PREVENT BELT SLIPPING.

941266 218-5330 27

- b) LOOSEN SET SCREW IN THE COUPLING AS INDICATED, SLIDE THAT HALF OF THE COUPLING DOWN THE SHAFT SO THAT THE TWO (2) SECTIONS OF THE COUPLING ARE SEPARATED. REMOVE ANY BURRS ON THE SHAFT CAUSED BY THE COUPLING SET SCREWS.
- c) LET THE SHAFT & U BRACKET FLOP DOWN & THEN REMOVE THE COUPLING HALF FROM THE SHAFT. IF THERE IS NOT ENOUGH CLEARANCE TO REMOVE THE COUPLING, THE SCREWS IN THE "U" BRACKET MAY NEED ADDITIONAL LOOSENING.
- d) NEXT HANG THE NEW DRIVE BELT, ITEM 12, ON THE SHAFT & SLIDE THE COLLAR, ITEM 26, THE CLUTCH, ITEM 24 & THE COUPLING HALF ONTO THE SHAFT.
- e) REASSEMBLE THE COUPLING. DO NOT TIGHTEN SET SCREW. TIGHTEN THE TWO (2) MOUNTING SCREWS HOLDING THE "U" BRACKET WHILE PULLING OUT ON THE BRACKET SO THAT SLACK IS REMOVED FROM THE BELT. ADJUST THE COUPLING SO THERE IS ABOUT 1/16 GAP BETWEEN THE RUBBER & METAL AT EACH END. TIGHTEN ITS SET SCREW AGAINST THE FLAT ON THE SHAFT.
- f) ALIGN CLUTCH PULLEY, BELT & ELECTRIC TRIM PULLEY SO THAT THEY RUN TRUE & BELT IS TAUT. SECURE CLUTCH TO SHAFT BY TIGHTENING TWO (2) SET SCREWS IN THE CLUTCH. TIGHTEN FOUR (4) MOUNTING SCREWS ON THE ELECTRIC TRIM UNIT, ITEM 5. SLIDE COLLAR SNUGLY AGAINST PULLEY PORTION OF CLUTCH & TIGHTEN THE SET SCREW. INSTALL CONNECTOR "P3" ON ITEM 5 (TOP 4 PINS) IDENTIFY "P3" WITH PAPER LABEL.
- g) ON ITEM 4G, 00 664 017 0 (53) REMOVE 1/2 INCH OFF ONE END OF THE INNER WIRE SLIDE.





REV. LA 802 FOR PARASCHUTER

DATE

NO. 1

DESCRIPTION

AREA A-3, +12V WAS +5V... CBI & S2 ORDER WERE INTERCHANGED ADDED S1 CKT.

12 JULY 83 0-710-157

USE FOR OTHER BOARD SPECIES

DO NOT REWORK AND REWORK CAPACITANCE IS IN μF

REPEAT SPACE IS IN INCHES

FOLIOVANCE BY: 2" x 2" 10" x 1" 4" x 1"

1" TEL. OF NATIONAL SUPPLY CO.

Electronic Associates, Inc.

80 Myrtlewood Parkway, West Long Branch, N.J.

SCHEMATIC, ELECTRIC TRIM BOARD: (B10)

DATE	REV.	BY	CHKD.	APP'D.
24 JUL 1982				
PART NO. 800 023 1590 0				
REV. NO. 001				
REV. DATE 12 JUL 83				
REV. BY				
REV. CHKD.				
REV. APP'D.				

Chip