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UNIT VARIATIONS

REVISIONS		USED ON OPTION/MODEL	DRN.	DATE	TITLE
CHK	CHANGE NO.				
K-9	BA8C-4	A	8A420	D. SULLIVAN	13MAY76
			8A620	CHK'D.	DATE
			8A820	<i>S. W. Kline</i>	256010
				PROJ. ENG.	DATE
				<i>L. J. Miller</i>	2-SEPT-76
				PROD.	DATE
				<i>R. Standafer</i>	3-Sept-76
SHEET 1 OF 4				DIST.	

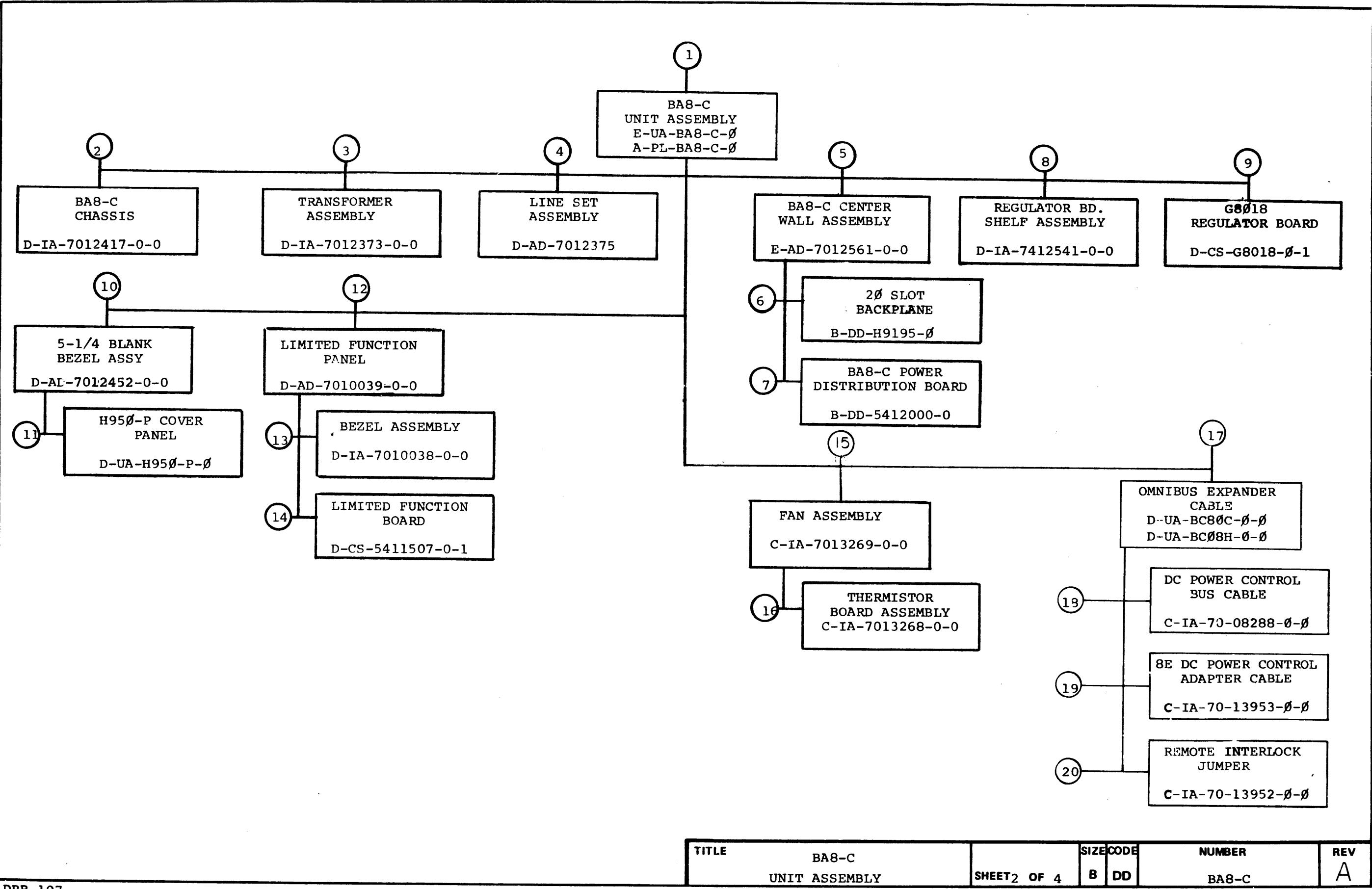
digital

BA8-C UNIT ASSEMBLY

NUMBER : BA8-C

REV : A

MP-00140-00



FIND NO.	DRAWING NO.	DESCRIPTION	TYPE	FIND NO.	DRAWING NO.	DESCRIPTION	TYPE		
			-	5	E-AD-7012561-0-0 E-IA-7415701-0-0	WALL, ASSEMBLY BA8-C CENTER WALL, CENTER	M/E		
1	E-UA-BA8-C-0 A-PL-BA8-C-0 D-IA-7012374-0-0 D-IA-7415703-0-0 D-MD-7415706-0-0 C-IA-7008612-0-0 C-MD-7415702-0-0 D-MD-7416740-0-0 A-DC-7417273-0-0	BA8-C UNIT ASSEMBLY BA8-C UNIT ASSEMBLY (PL) HARNESS, FAN COVER, REAR COVER, TOP CABLE, KEYBOARD RAIL, CHASSIS MOUNTING COVER, HARNESS LABEL, WARNING	E/M E/M E/M M M M/E M M M	6	B-DD-H9195-0	BACKPLANE, 2Ø SLOT	E		
2	D-IA-7012417-0-0 E-IA-7415705-0-0 B-MD-7413499-0-0 B-MD-7416407-0-0 B-MD-7416406-0-0 B-MD-7416468-0-0	CHASSIS, BA8-C CHASSIS, SIDES & BOTTOM SPACER, CHASSIS TAB, BAFFLE BAFFLE, AIR BRACKET, REG. BD. SUPPORT	M M M M M M	7	B-DD-5412000-0	BOARD, BA8-C POWER DISTRIBUTION	E		
3	D-IA-7012373-0-0	TRANSFORMER ASSEMBLY	E/M	8	D-IA-7012541-0-0 E-IA-7415704-0-0 B-MD-7416407-0-0 C-MD-7416406-0-0 B-MD-7416468-0-0	SHELF ASSEMBLY, REG. BOARD SHELF, REG. BOARD TAB, BAFFLE BAFFLE, AIR BRACKET, REG. BD. SUPPORT	M M M M M		
4	D-AD-7012375-0-0 C-IA-7411983-0-0 A-DC-7416202-0-0	LINE SET ASSEMBLY PLATE, LINE SET DECAL	E/M M M	9	D-CS-G8018-0-1 K-CO-G8018-0-4 E-AH-G8018-0-5 B-MH-G8018-0-6 A-SP-G8018-0-8 E-IA-7413241-0-0 C-MD-7413208-0-0 A-CD-7413498-0-0	REGULATOR BOARD G8018 X-Y COORDINATE HOLE LOCATION ASSY/DRILLING HOLE LAYOUT MODULE ECO HISTORY G8018 REGULATOR BOARD SPEC. BRACKET, REGULATOR BOARD CLAMP, CAPACITOR DECAL	E/M E E E E M M M		
				10	D-AD-7012452-0-0 D-IA-7415707-0-0	BEZEL ASSY, 5-1/4 BLANK BRACKET, BEZEL	M M		
				11	D-UA-H950-P-0 A-PL-H950-P-0	H950-P COVER PANEL H950-P COVER PANEL (PL)	M M		
				12	D-AD-7010039-0-0 D-IA-7415707-0-0	PANEL, LIMITED FUNCTION BRACKET, BEZEL	E/M M		
TYPE: E ELECTRICAL M MECHANICAL E/M ELECTRO/MECHANICAL				TITLE	BA8-C UNIT ASSEMBLY	SHEET 3 OF 4	SIZE B CODE DD	NUMBER BA8-C	REV A

digital

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE	FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
13	D-IA-7010038-0-0	BEZEL ASSY	M				
	D-MD-7411692-0-0	INLAY REWORK	M				
	B-MD-7411744-0-0	WINDOW	M				
	D-MD-7411945-0-0	FRAME	M				
14	D-CS-5411507-0-1	LIMITED FUNCTION BOARD	E				
	K-CO-5411507-0-4	X-Y COORDINATE HOLE LOCATION	E				
	D-AH-5411507-0-5	ASSY/DRILLING	E				
	B-MH-5411507-0-6	MODULE ECO HISTORY	E				
15	C-IA-7013269-0-0	FAN ASSEMBLY	E/M				
16	C-IA-7013268-0-0	THERMISTOR BOARD ASSEMBLY	M				
	C-MD-74117535-0-0	THERMISTOR BOARD	M				
17	D-UA-BC80C-0-0	HEX OMNIBUS EXPANDER CABLE	E				
	D-UA-BC08H-0-0	OMNIBUS EXPANDER CABLE	E				
18	C-IA-70-08288-0-0	DC POWER CONTROL BUS CABLE	E				
19	C-IA-70-13953-0-0	8E DC POWER CONTROL ADAPTER CABLE	E				
20	C-IA-70-13952-0-0	REMOTE INTERLOCK JUMPER	E				
TYPE: E ELECTRICAL		M MECHANICAL		TITLE		NUMBER	
E/M ELECTRO/MECHANICAL		digital		BA8-C		REV A	
DRB 108A				UNIT ASSEMBLY		SHEET 4 OF 4	SIZE CODE B DD

EN-01062-2C-16-R376-(325)

TYPE: E ELECTRICAL
M MECHANICAL
E/M ELECTRO/MECHANICAL

DRB 108A

digital

TITLE

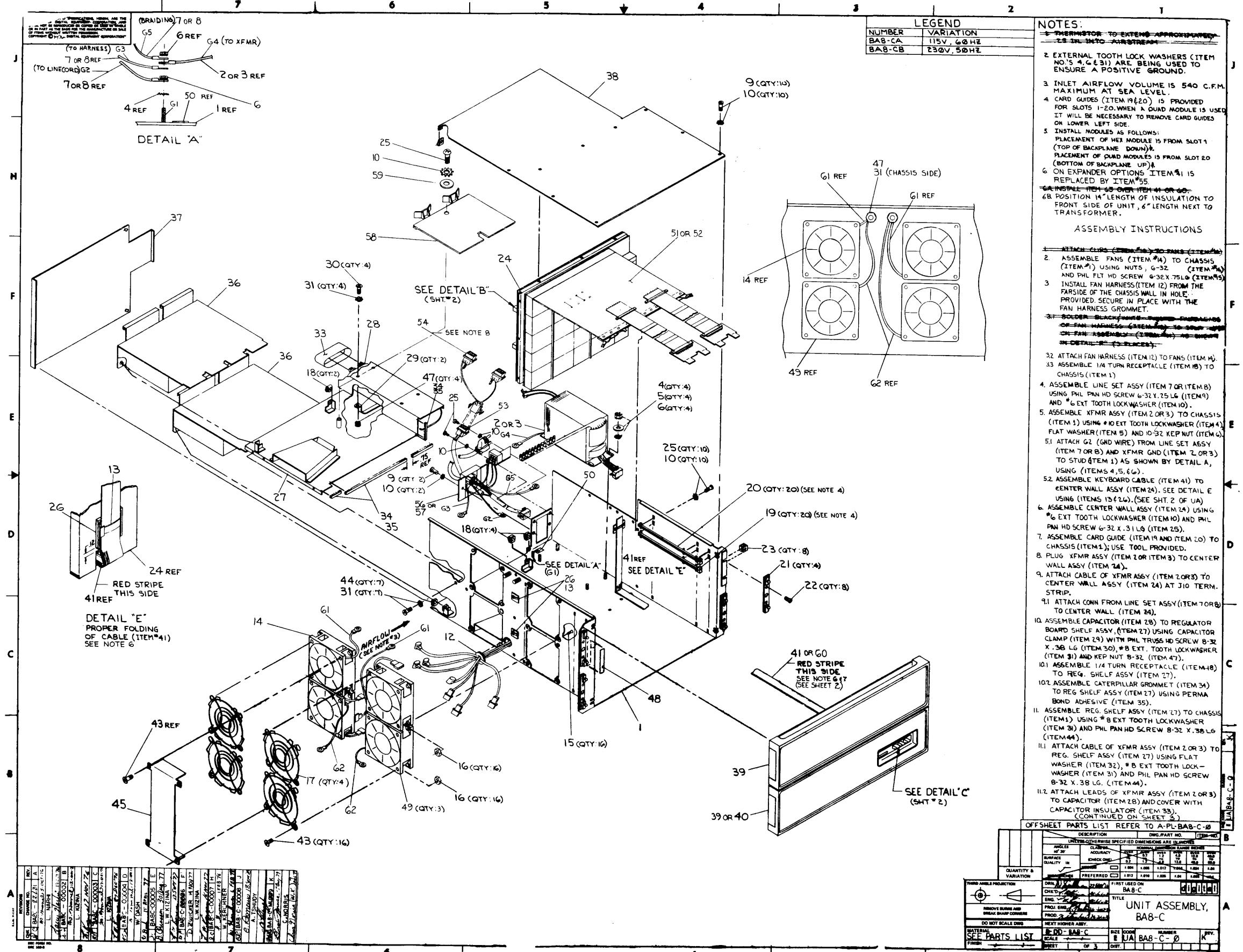
BA8-C
UNIT ASSEMBLY

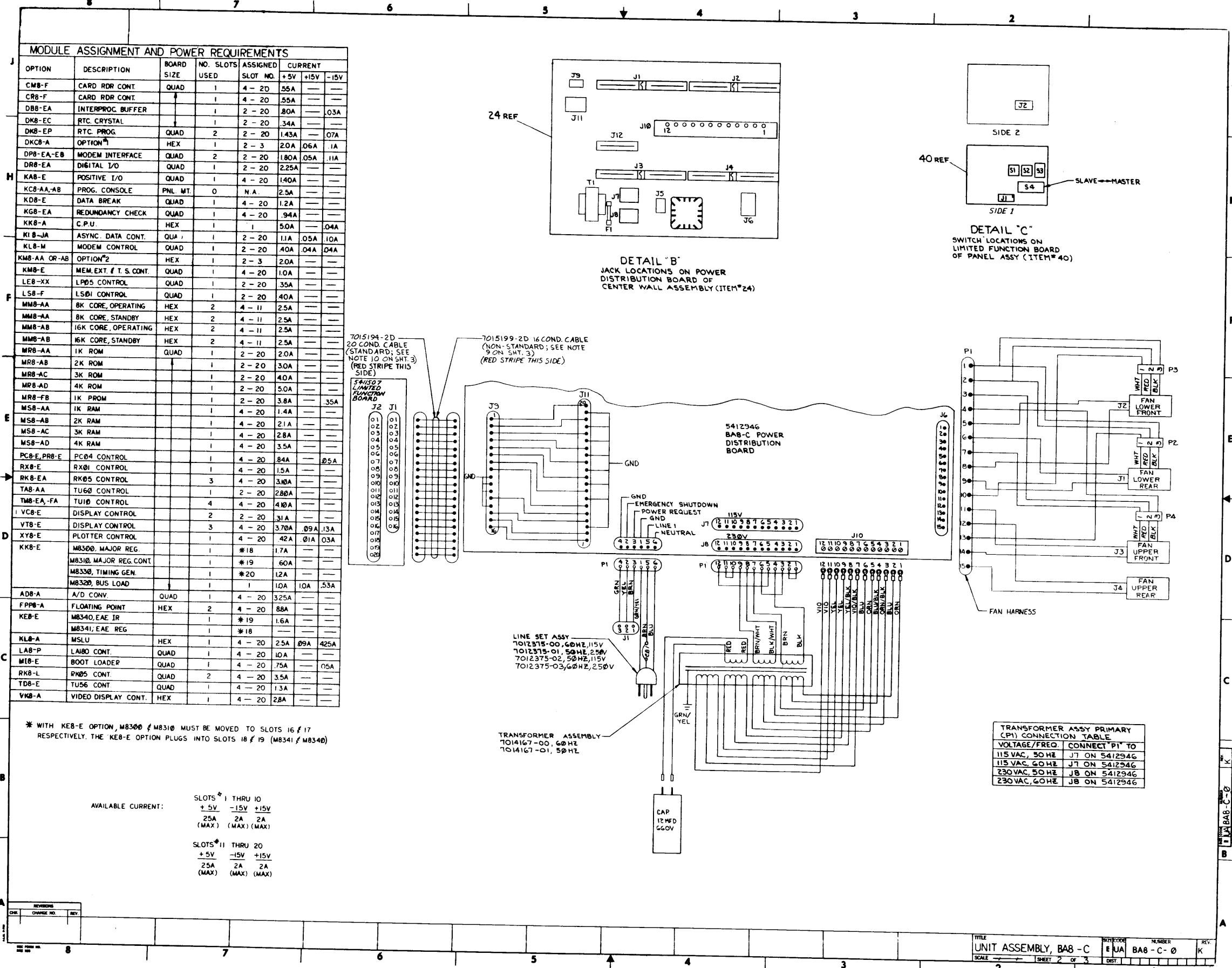
SHEET 4 OF 4

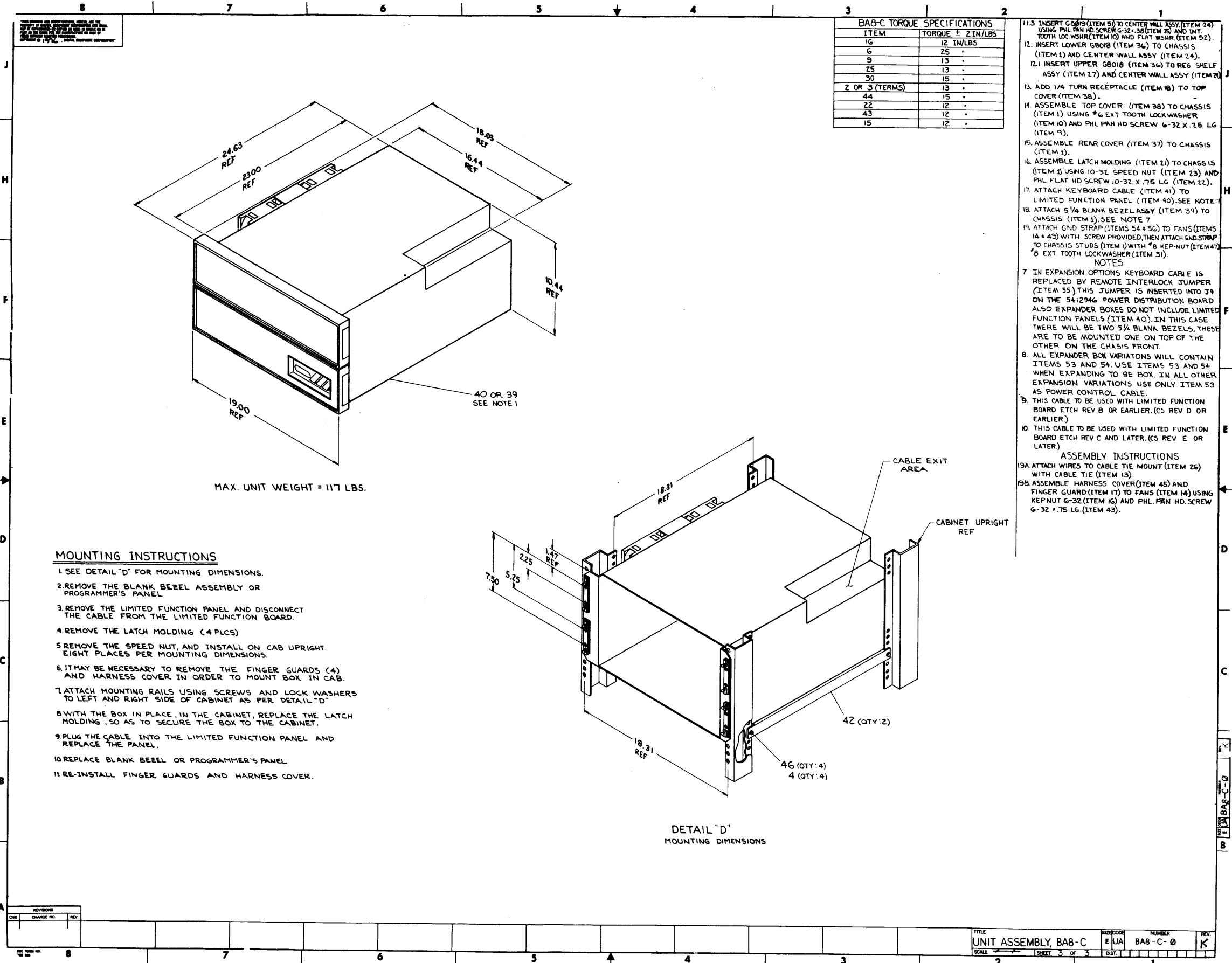
SIZE	CODE
B	DD

NUMBER

REV
A







DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY D. SULLIVAN
DATE 22 MAR 76
ENG *Larry Martin*
DATE 26 JULY 76

CHECKED *R.W. Lamm* SECTION 1
PROD *Standard* ISSUED SECT. 1
DATE 26 JULY 76

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION
23	9007786-01	NUT, SPEED #10-32	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
24	7014245-0-0	WALL ASSY, CENTER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
25	9006021-01	SCR, PHL PAN HD #6-32 X .38 LG.	10 12 10 12 10 12 12 12 10 12 10 12 12 10
26	9008264	MOUNT, CABLE TIE	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
27	D-AD-7012541-0-0	SHELF ASSY, REG. BOARD	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
28	1011729-01	CAPACITOR, 12 MFD, 660 V	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
29	1213156	CLAMP, CAPACITOR	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
30	9006Q37-03	SCR, PHL TRUSS HD, #8-32 X .38 LG.	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
31	9008072	WASHER, #8 EXT TOOTH LOCK	13 13 13 13 13 13 13 13 13 13 13 13 13 13 13 13
32	9006668	WASHER, FLAT, .375 X .187 I.D. X .036 THK	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
33	1213683	TERMINAL, BOOT CAP	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
34	9007036	GROMMET, CATERPILLAR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
35	9009157	ADHESIVE, PERMA BOND #102	1/R A/R
36	D-CS-G8018-0-1	REGULATOR BOARD ASSEMBLY (CORE)	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
37	D-IA-7415703-0-0	COVER, REAR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
38	D-MD-7415706-0-0	COVER, TOP	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
39	D-AD-7012452-0-0	BEZEL ASSY, 5.25 BLANK	1 1 2 2 2 2 1 1 2 2 2 2 2 2 2 2
40	D-AD-7010039-03	PANEL, LIMITED FUNCTION	1 1 - - - 1 1 - - - -
41	C-IA-7015194-2D	20 COND. PANEL CABLE	1 1 - - - 1 1 - - - -
42	C-MD-7415702-0-0	RAIL, CHASSIS MOUNTING	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
43	9006026-03	SCR, PHL TRUSS HD #6-32 X .75 LG.	16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16
44	9006037-01	SCR, PHL PAN HD #8-32 X .38 LG.	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

TITLE BA8-C ASSY NO. B-DD-BA8-C SIZE CODE A PL NUMBER BAB-C-Ø REV K ECO NO.
UNIT ASSEMBLY SHEET 2 OF 3 DIST.

DEC FORM DEC 16 (325)-1031-N870
DRA 110

ML

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY D. SULLIVAN
DATE 22 MAR 76
ENG *Larry Martin*
DATE 26 JULY 76

CHECKED *R.W. Lamm* SECTION 1
PROD *Standard* ISSUED SECT. 1
DATE 26 JULY 76

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION
45	D-MD-7416740-0-0	COVER, HARNESS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
46	9006071-03	SCR, PHL TRUSS HD #10-32 X .38LG.	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
47	9006563	NUT, KEPS #8-32	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
48	A-DC-7417273-0-0	WARNING LABEL	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
49	7014193-00	FAN ASSEMBLY	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
50	3612680-01	DECAL	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
51	D-UA-BC80C-04	CABLE, HEX OMNIBUS EXPANDER	- - - - 1 1 - - - - 1 1
52	D-UA-BC98H-1F	CABLE, OMNIBUS EXPANDER	- - 2 2 - - - - 2 2 - -
53	C-IA-7008288-3F	CABLE, DC POWER CONTROL BUS	- - 1 1 1 1 - - 1 1 1 1
54	C-IA-70-13953-01	CABLE, 8E DC POWER CONTROL ADAPTER	- - 1 1 1 1 - - 1 1 1 1
55	D-UA-5413011-0-0	CIRCUIT, REMOTE SLAVE	- - 1 1 1 1 - - 1 1 1 1
56	D-AD-7012375-02	LINE SET ASSY (115V, 50HZ)	- - 1 1 1 1 - - 1 1 1 1
57	D-AD-7012375-03	LINE SET ASSY (230V, 60HZ)	- - - - - 1 - - 1 - 1 - 1
58	G8019	POWER DIST. CONTROL BOARD	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
59	9006653	WASHER, FLAT #6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
60	C-IA-7015199-2D	16 COND. PANEL CABLE	* * - - - - * * - - -
61	7011412-OF	CABLE, CHASSIS GND.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
62	7011412-01	CABLE, CHASSIS, GND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
63	9107050-00	TUBING, SHREWD 14 IN. LENGTH	1 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1

* SEE NOTE 9 ON SHT. 3

TITLE BA8-C ASSY NO. B-DD-BA8-C SIZE CODE A PL NUMBER BAB-C-Ø REV K ECO NO.
UNIT ASSEMBLY SHEET 3 OF 3 DIST.

ML

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY D. SULLIVAN
DATE 22 MAR 76
ENG *Larry Martin*
DATE 26 JULY 76

CHECKED *R.W. Lamm* SECTION 1
PROD *Standard* ISSUED SECT. 1
DATE 26 JULY 76

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION
1	D-IA-7012417-0	CHASSIS, BA8-C	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2	7014167-00	TRANSFORMER ASSY (60HZ)	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
3	7014167-01	TRANSFORMER ASSY (50HZ)	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
4	9007651	WASHER, #10 EXT TOOTH LOCK	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
5	9006668	WASHER, FLAT, .625 X .200 I.D. X .032 THK	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
6	9006565	NUT, #10-32 KEPS	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
7	D-AD-7012375-00	LINE SET ASSY (115V)	1 - 1 - 1 - - - - - - - -
8	D-AD-7012375-01	LINE SET ASSY (230V)	- 1 - 1 - 1 - - - - - - - -
9	9006020-01	SCR, PHL PAN HD #6-32 X .25 LG.	12 12 12 12 12 12 12 12 12 12 12 12 12 12
10	9007649	WASHER, #6 EXT TOOTH LOCK	23 25 23 25 23 25 25 23 25 23 25 23
11	9007013	GROMMET, .187 I.D. (BLK)	2 2
12	D-IA-7014181-0-0	HARNESS, FAN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
13	9007031	CABLE TIE	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
14	1213013	FAN, 5 IN., 135 CFM, 115 VAC	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
15	9006026-02	SCR, PHL FLT HD #6-32 X .750 LG.	16 16 16 16 16 16 16 16 16 16 16 16
16	9006560	NUT, KEP 6-32	32 32 32 32 32 32 32 32 32 32 32 32
17	1213266-01	GUARD, FINGER	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
18	9008196	RECEPTACLE, 1/4 TURN, .50 WIDE	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
19	1212405-08	CARD GUIDE, FULL LENGTH (NATURAL)	20 20 20 20 20 20 20 20 20 20 20 20
20	1212405-09	CARD GUIDE, FULL LENGTH (MAGENTA)	20 20 20 20 20 20 20 20 20 20 20 20
21	1209224	LATCH MOLDING	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
22	9006075-02	SCR, PHL FLT HD #10-32 X .75LG.	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8

TITLE BA8-C ASSY NO. B-DD-BA8-C SIZE CODE A PL NUMBER BAB-C-Ø REV K ECO NO.
UNIT ASSEMBLY SHEET 1 OF 3 DIST.

DEC FORM DEC 16-(325)-1031-N870
DRA 110

ML

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WIRE TABL

1

JUMPER TAB

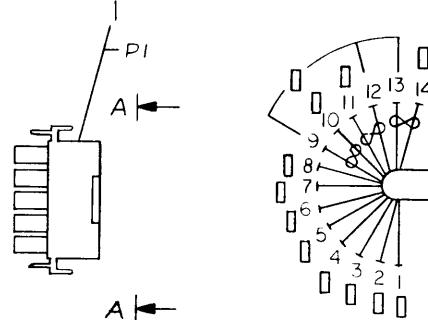
DIA 7012374-0-0

WIRE TABLE								
ITEM NO.	DESCRIPTION		FROM			TO		
	AWG	COLOR	POINT	CONNECTION	WITH	POINT	CONNECTION	WITH
8	22	WHT	14	PI-1	2	15		STRIP & TIN
	TWP	BLK	13	PI-2	2	16		STRIP & TIN
8	22	BLK	12			23		STRIP & TIN
	TWP	WHT	11	PI-5	2	24		STRIP & TIN
8	22	WHT	10	PI-8	2	19		STRIP & TIN
	TWP	BLK	9	PI-2 REF	2 REF	20		STRIP & TIN
5	—	BLK	8	PI-4	2	25	J3	—
			7	PI-6	2	26		
5	—	BLK	6	PI-7	2	21	J2	—
			5	PI-10	2	22		
5	—	BLK	4	PI-11	2	17	J1	—
			3	PI-15	2	18		
5	—	BLK	2	PI-13	2	27	J4	—
			1	PI-14	2	28		

JUMPER TABLE								
ITEM	DESCRIPTION		FROM			TO		
	NO	AWG	COLOR	POINT	CONNECTION	WITH	POINT	CONNECTION
9	22	BLK	—	PI-3	2	—	PI-12	2

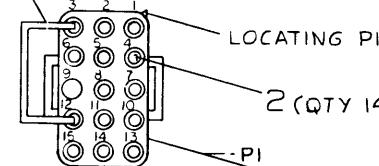
A horizontal line representing a beam. At each end, there is a small vertical line pointing outwards with the label "REF" written above it. Between these two reference points, there is a double-headed arrow indicating a length of "2.50".

DETAIL "B"
SCALE: NONE

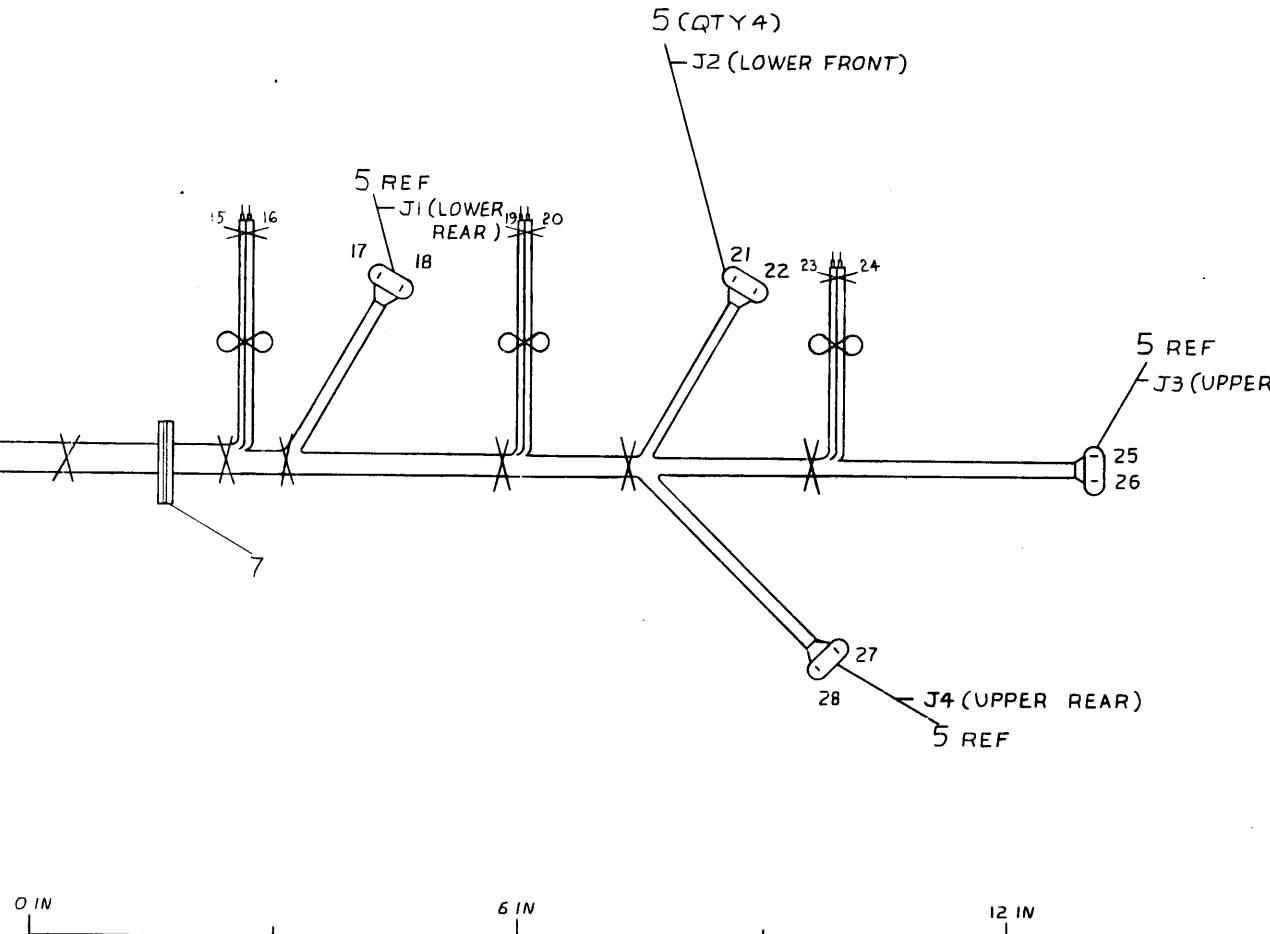


SEE DETAIL "B"

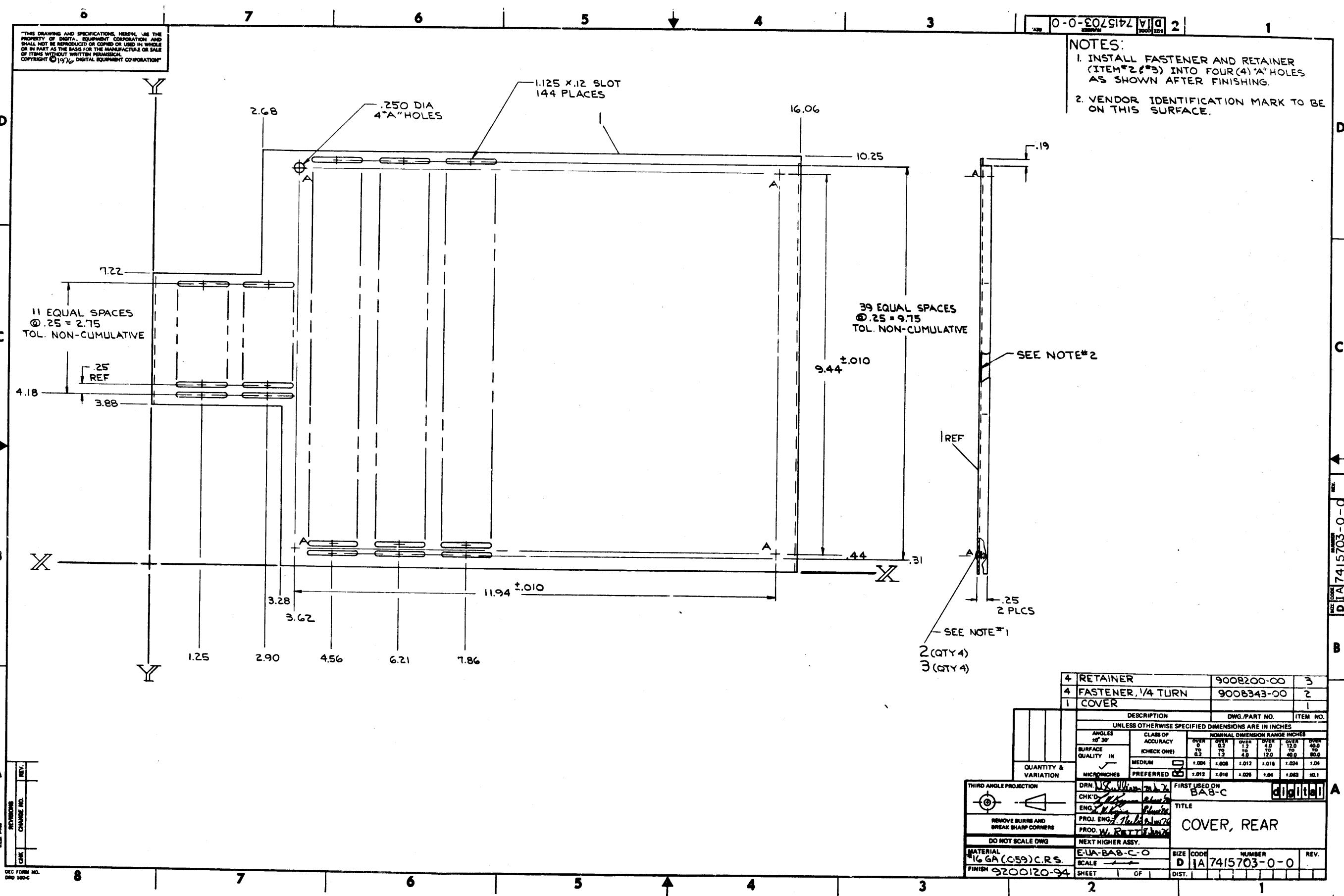
SEE JUMPER TABLE



VIEW A-A
REAR VIEW
SCALE: NONE



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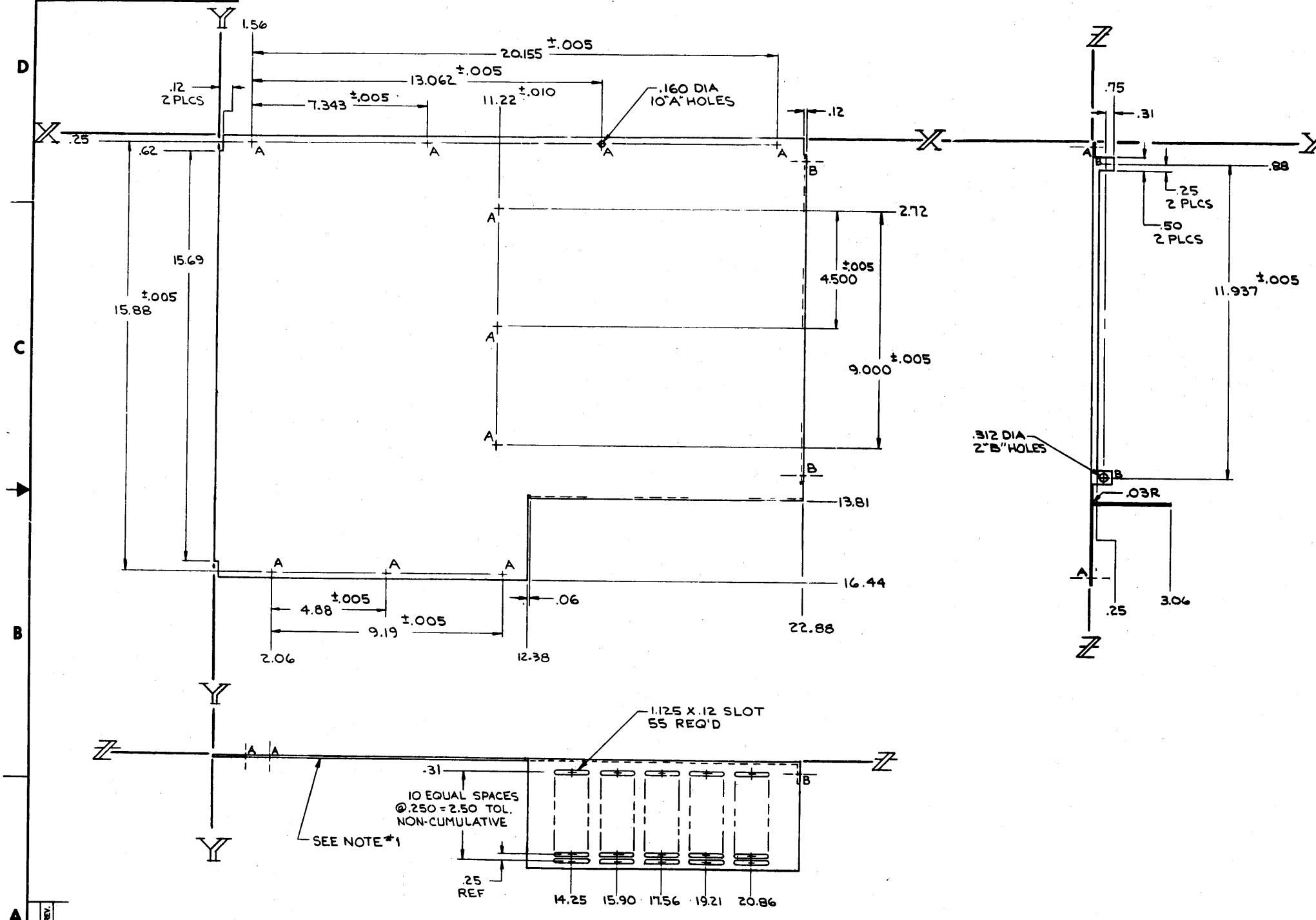
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1

2

NOTES:

- I. VENDOR IDENTIFICATION MARK
TO BE PLACED ON THIS SURFACE



			DESCRIPTION		DWG./PART NO.		ITEM NO.
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				
 QUANTITY & VARIATION <hr/> THIRD ANGLE PROJECTION 	ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES				
	SURFACE QUALITY IN ✓ MICROINCHES	MEDIUM	OVER .004	OVER .008	OVER .012	OVER .016	OVER .020
			.70	.70	.70	.70	.70
		PREFERRED	.024	.028	.032	.036	.040
DRN. NO. 100-23074			FIRST USED ON		BAB-C		Digital
CHK'D: [Signature]			TITLE				
ENG: [Signature]							
REMOVE BURRS AND BREAK SHARP CORNERS			PROJ. ENG: [Signature]				
DO NOT SCALE DWG.			PROD. M: [Signature]				
MATERIAL: 16 GA. (.059) C.R.S.			NEXT HIGHER ASSY.		COVER, TOP		
FINISH: 9200120-94			E-U-A-BAB-C-0	SIZE D	CODE MD	NUMBER 7415706-0-0	REV.
SCALE: ← →			SHEET 1	OF 1	DIST.	1	

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REVISIONS		REV.	N
CHK	CHANGE NO.		
LK40-00001	A	R. MARTEL	11/22/77
CARLSON	B	6-8-72	657008612-00010 P
P	C	GT40-00001	8 DEC 77
C. CRABBE	D	7008612-ML011 R	9-22-78
J. KALAGIER	E	7008612-00001 C	M. MICHAUD
J. KALAGIER	F	7008612-00002 D	G. O'NEILL 6-12-78
J. KALAGIER	G	7008612-00003 E	SEE NOTE #1
J. KALAGIER	H	7008612-00004 F	6-17-74
A. GERSHON	I	LA36-00111 G	26-1-75
A. GERSHON	J	7008612-00005 H	26-1-75
A. SOHAN	K	7008612-00006 I	26-1-75
A. SOHAN	L	7008612-00007 J	26-1-75
R. CAMELIO	M	7008612-00008 K	20-FEB-76
D. BENNETT	N	7008612-00009 L	25-OCT-77
J. BIRO	O	7008612-00010 M	20-JULY-77
D. BENNETT	P	7008612-00011 N	20-JULY-77

D

LEGEND	
NUMBER	VARIATION
7008612-ΦD	DIM "X" Φ IN
7008612-1B	14 IN.
7008612-1F	18 IN.
7008612-Φ3	3 FT.
7008612-ΦF	6 IN.
7008612-ΦK	9 IN. \pm 1 IN.
7008612-4A	49 IN. \pm 1 IN.
7008612-ΦM	11 IN.
7008612-Φ2	2 FT \pm 1 IN.
7008612-6A	6 FT, 1 IN. \pm 2 IN
7008612-10	10 FT, \pm 2 IN
7008612-1J	20 IN.
7008612-2D	2 FT. 4 IN. \pm 1 IN.
7008612-1D	16 IN.

3

2

1

NOTES:

1. PLACE LABEL, ITEM 4 AT ANY POSITION ALONG CABLE AS SHOWN.

D

D

C

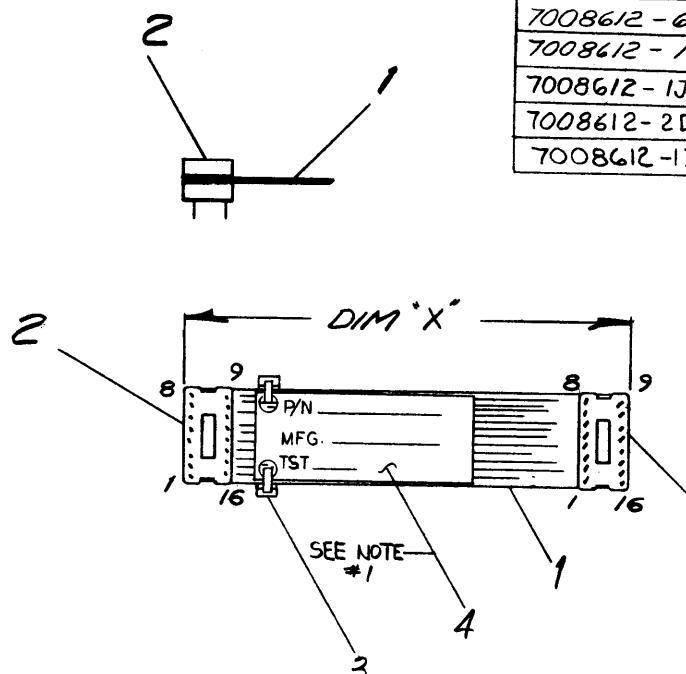
C

B

B

A

A



ITEM	DESCRIPTION	PART NO.	ITEM NO.
1	LABEL, IDENTIFICATION	9009532-00	4
1	TIE, CABLE	9007031-00	3
2	SOCKET 16 CONTACTS	1210722	2
PIR	CABLE 28 AWG STRD 16 COND	8107735	1
SIZE CODE	NUMBER	REV	
CIA	7008612-0-0	R	

FIRST USED ON OPTION/MODEL

VT05

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES.
TOLERANCES

DECIMALS ANGLES

XXX = .005 $\pm 0^\circ 30'$
XX = .02
X = .1REMOVE BURRS AND BREAK SHARP
CORNERS SURFACE QUALITY ✓

MATERIAL

NEXT HIGHER ASSY.

FINISH

digital EQUIPMENT CORPORATION
MAYNARD MASSACHUSETTS

TITLE

CABLE, KEYBOARD

4

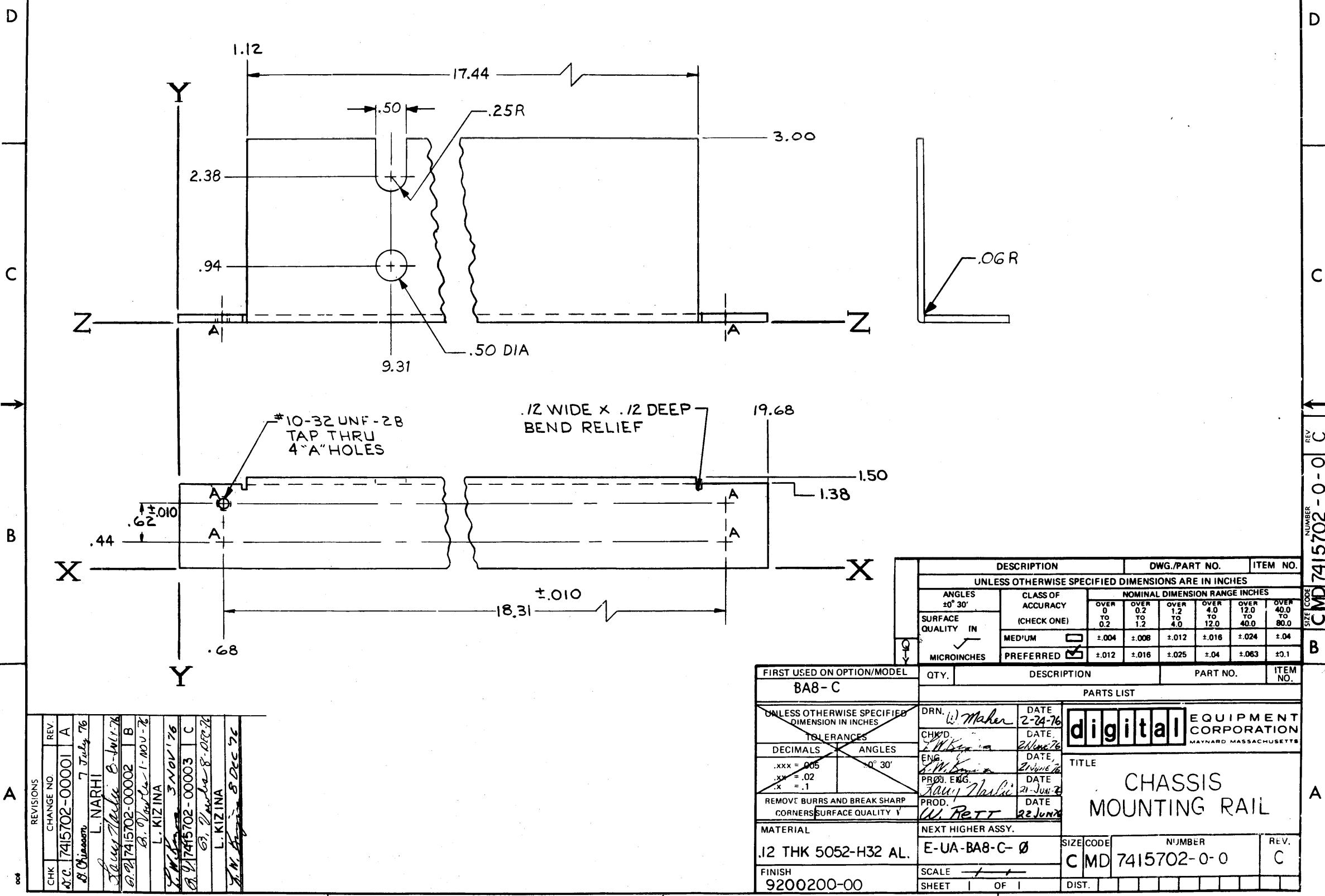
3

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DEC FORM NO.
DRC 100-d

1

1

1

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This technical drawing illustrates a mechanical part with the following key dimensions and features:

- Top Edge:** A horizontal slot with a width of $.25$ and a height of $.25$.
- Bottom Edge:** A horizontal slot with a width of $.38$ and a height of $.19$, divided into two sections of $.19$ each.
- Left Edge:** A vertical slot with a width of $.62$ and a height of $.25$.
- Right Edge:** A vertical slot with a width of 5.65 and a height of $.25$.
- Center Hole:** A central hole with a diameter of $.22$ and a depth of 10.00 .
- Bottom Center Hole:** A hole at the bottom center with a diameter of $.22$ and a depth of $9.50 \pm .010$.
- Front Edge:** A horizontal slot with a width of $5.15 \pm .010$ and a height of 4.38 .
- Bottom Left Edge:** A vertical slot with a width of $.25$ and a height of $.25$.

The drawing also includes coordinate axes X and Y, and reference points "A" marked on the top, bottom, left, right, and center edges.

Technical drawing of a vertical profile A-A. The top width is indicated as 1.47 with a note for 2 PLCs. The bottom width is indicated as .03 R with a note for 2 PLCs. A note labeled "SEE NOTE" points to the transition between the two widths.

REVISIONS		
CHG	CHANGE NO.	REV.
KIT	KT16740 - COCO01	
		17
L.W.	KITZ NA	
T.M.	5/1987	27

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© 2009

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NOTES

- NOTES:**

1. VENDOR IDENTIFICATION MARK
TO BE PLACED ON THIS SURFACE.

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				DESCRIPTION	DWG./PART NO.		ITEM NO.
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
QUANTITY & VARIATION		ANGLES 26° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES			
SURFACE QUALITY IN MICRONCHES		MEDIUM	OVER 0	0.2	1.2	4.0	OVER 40.0
			1/2	.75	1.75	4.75	OVER 40.0
			1/4	.375	.75	1.75	OVER 40.0
			PREFERRED	±.004	±.008	±.012	±.016
				±.012	±.016	±.020	±.024
				±.012	±.016	±.020	±.024
THIRD ANGLE PROJECTION				DIN	29-1976	FIRST USED ON	BA 8-C
				CHK'D	John [Signature]	TITLE	digital
				ENG'D	John [Signature]		
				PROJ. ENGR.	John [Signature]		
				PROD.	W. Ratliff [Signature]		
REMOVE BURRS AND BREAK SHARP CORNERS				NEXT HIGHER ASSY.			
DO NOT SCALE DWG				E-U-A - BAR-C - Ø	SIZE D	CODE	NUMBER
MATERIAL .06 THK 5052 H-32 ALUM				SCALE FULL	M.D.		7416740-0-0
FINISH 92CO120 - 94				SHEET	1	OF	REV. A
						DIST.	

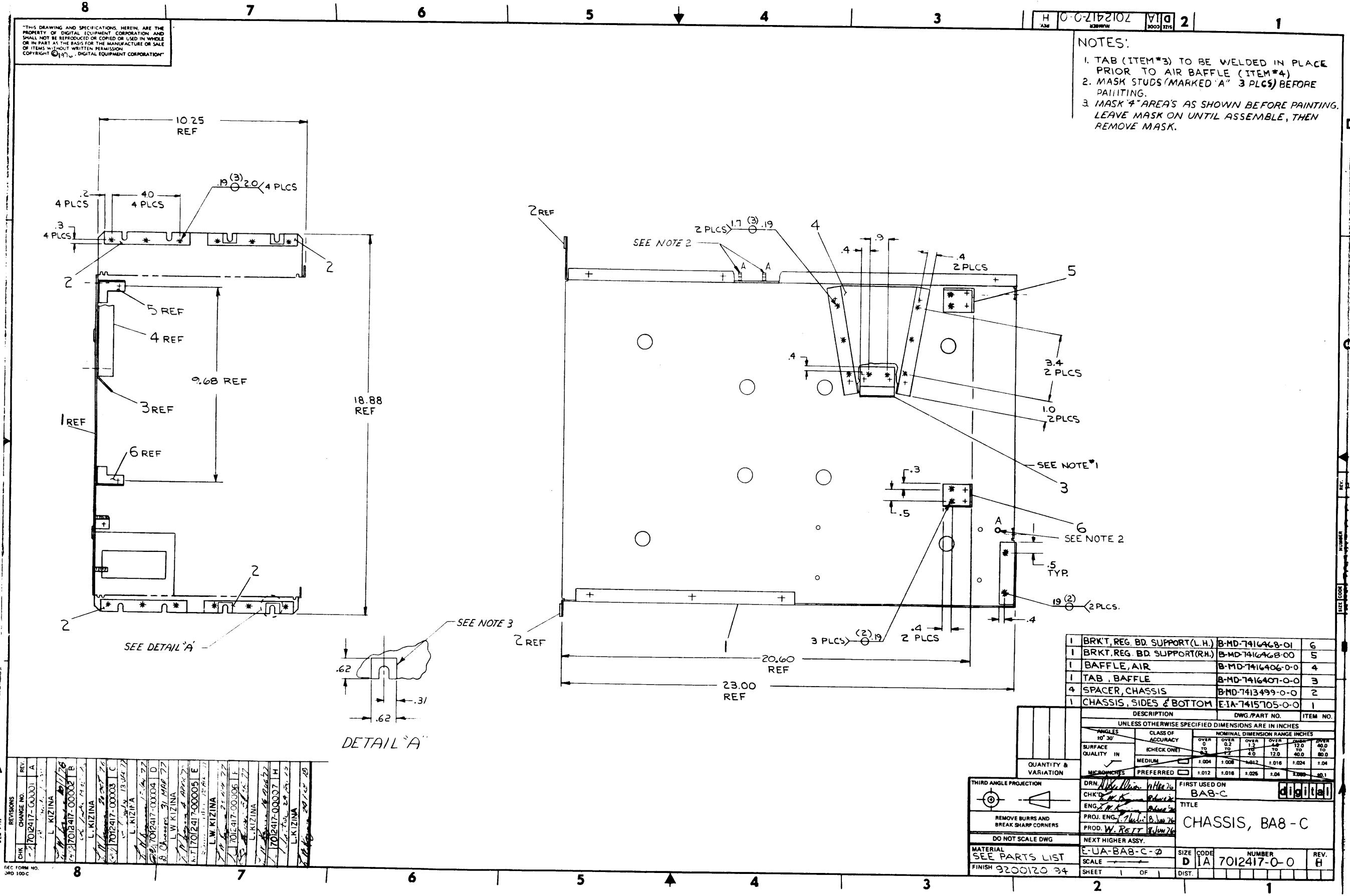
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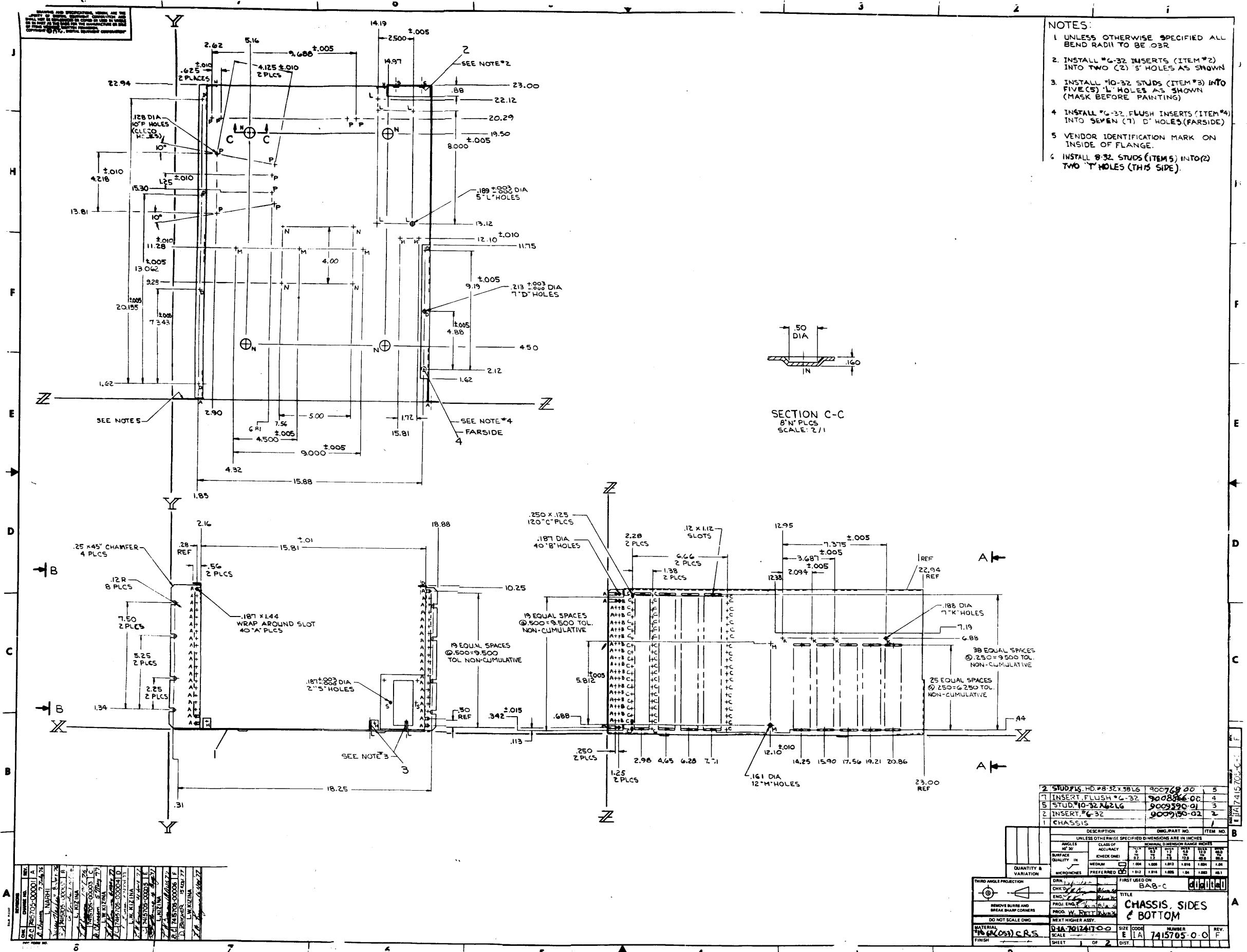
WARNING

This unit is not mounted
on slides. Use extreme
care when removing
from cabinet.

REVISIONS	CHANGE NO.	REV.
CHK		

OSHA RED CHARACTERS ON OSHA YELLOW BACKGROUND		
DRN. <i>D. Mullen</i>	12 JULY 76	FIRST USED ON <i>BA8-C</i>
CHK'D <i>S. Kojima</i>	19 JULY 76	digital
ENG. <i>S. Kojima</i>	19 JULY 76	TITLE
PROJ. ENG. <i>P. Hall</i>	19 JULY 76	WARNING LABEL
PROD. <i>SamPawett</i>	20 Jul 76	
NEXT HIGHER ASSY.		
<i>E-U-A-BA8-C</i>		SIZE
SCALE		CODE
SHEET / OF /	DIST.	NUMBER
		<i>7417273-0-0</i>
		REV.





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NUMBER
7413499-0-0

REV.

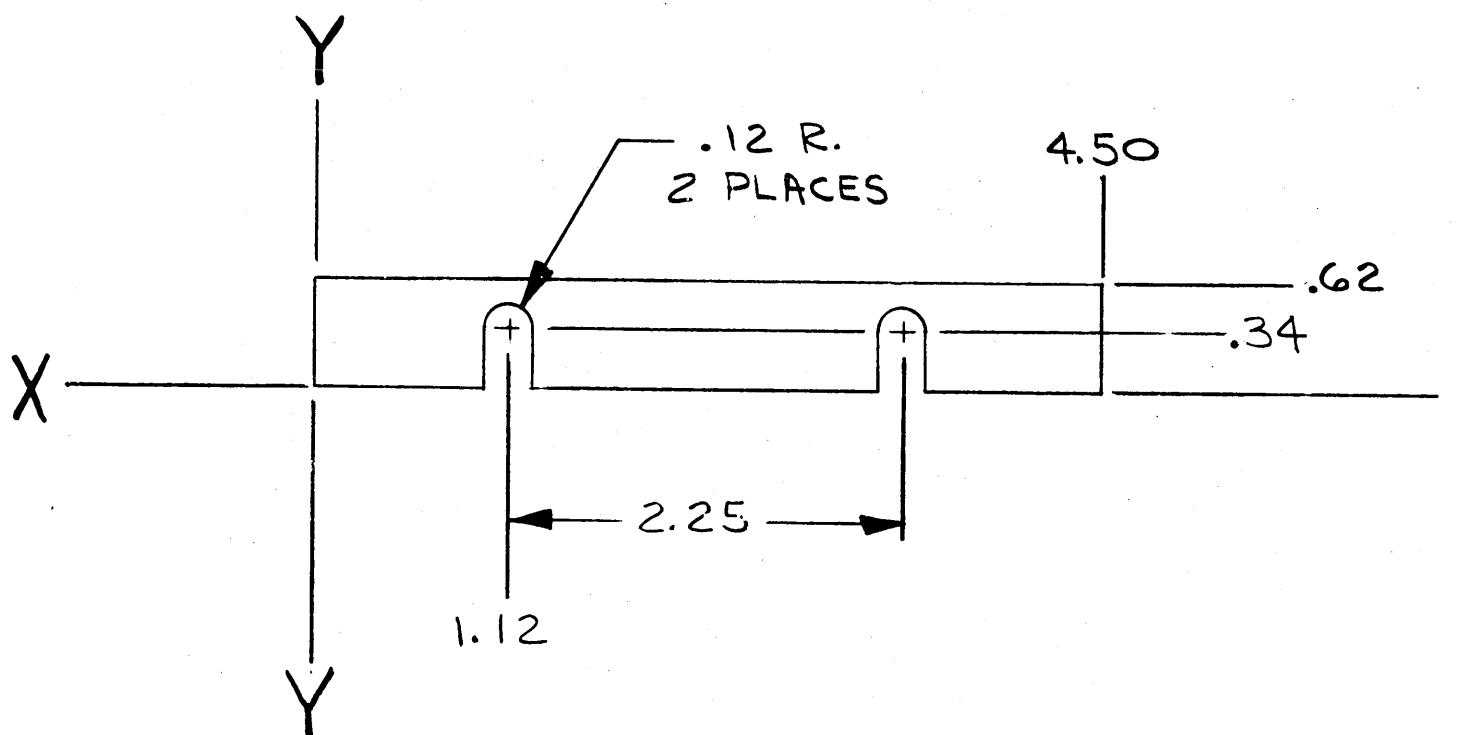
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DO NOT SCALE DRAWING

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REVISIONS	CHANGE NO.	REV.
CHK		

DEC 16-(325)-1080-1A-R373
DRB 100

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FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
H9300				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN.	K. Dan	DATE 1-29-75	
TOLERANCES	CHK'D	S. Roberts	DATE 2-4-75	
DECIMALS ANGLES	ENG.	J. Kalyan	DATE 2-4-75	
.xxx = .005 ±0° 30'	PROJ. ENG.	J. Kalyan	DATE 2-4-75	
.xx = .02 .x = .1	PROD.	W. Rett	DATE 2-4-75	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓				
MATERIAL 12 GAC.104 THK.) C.R.S.				
FINISH				
NEXT HIGHER ASSY. E-IA-7009754-0-0				
SIZE CODE B MD 7413499-0-0				
REV.				
SHEET 1 OF DIST.				

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE

SPACER, CHASSIS

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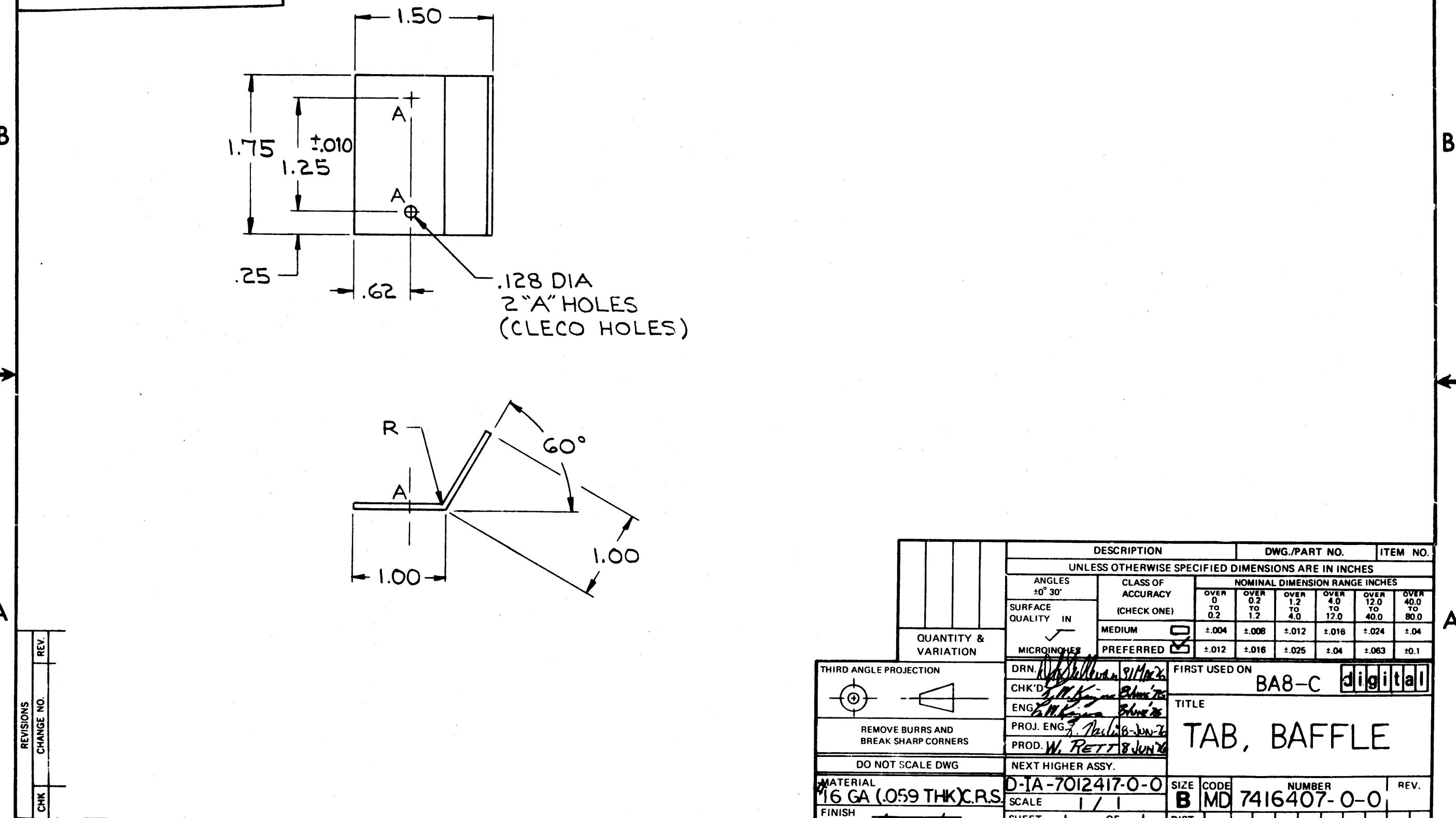
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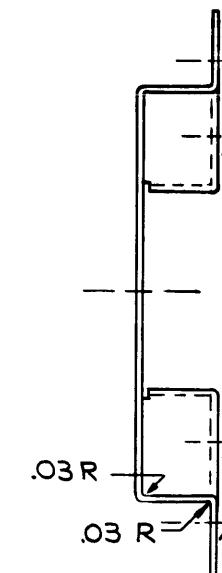
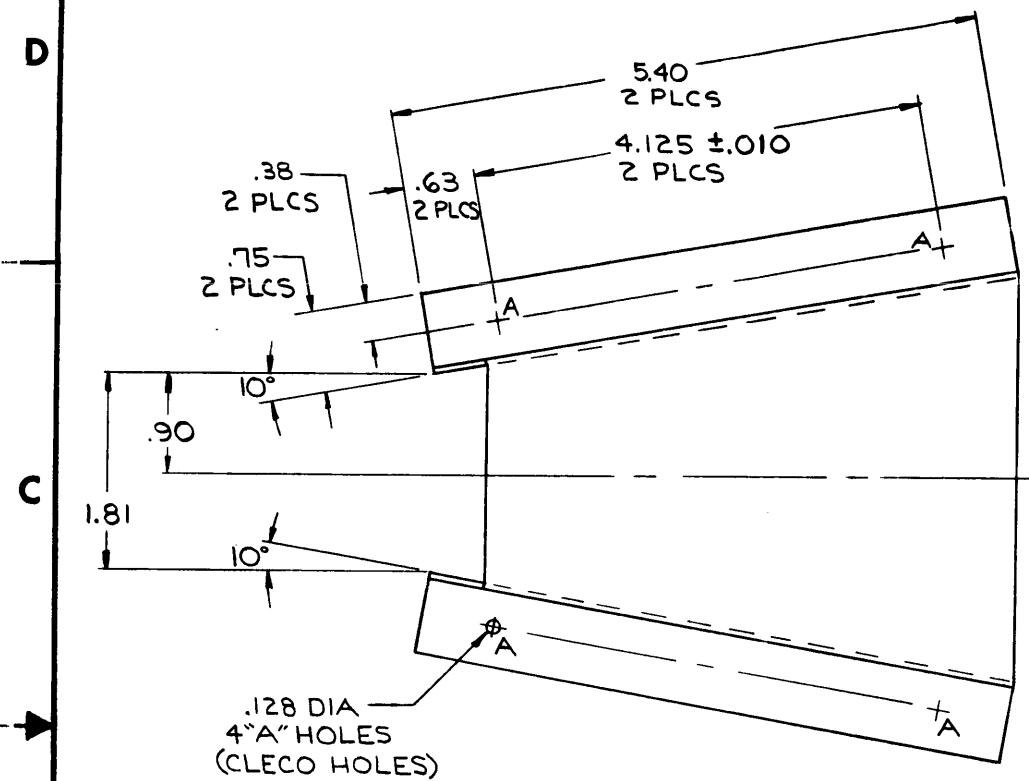
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				DESCRIPTION		DWG./PART NO.		ITEM NO.			
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES							
ANGLES $\pm 0^\circ 30'$ SURFACE QUALITY IN  MICROINCHES				CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES						
				MEDIUM	OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 60.0	
				PREFERRED	$\pm .004$	$\pm .008$	$\pm .012$	$\pm .018$	$\pm .024$	$\pm .04$	
					$\pm .012$	$\pm .016$	$\pm .025$	$\pm .04$	$\pm .063$	$\pm .1$	
THIRD ANGLE PROJECTION				DRN 1008-11 Rev 1A 3/21	FIRST USED ON		BAB-C			digital	
				CHKD 1008-11 Rev 1A 3/21							
				ENG. 1008-11 Rev 1A 3/21							
				PROJ. ENG. 1008-11 Rev B JUN 70							
				PROD. W. REIT 1008-11 Rev B JUN 70							
REMOVE BURRS AND BREAK SHARP CORNERS				TITLE							
DO NOT SCALE DWG				BAFFLE, AIR							
MATERIAL #16 GA (.059 THK) C.R.S.				NEXT HIGHER ASSY.		SIZE		CODE	NUMBER	REV.	
				D-IA-7012417-0-0		C		MD	7416406-0-0		
FINISH				SCALE	1 / 1	DIST.					
				SHEET	OF						

REVISIONS	CHANGE NO.	REV.

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B MD 7416468-0-0 REV A
SIZE CODE NUMBER

B MD 7416468-0-0 REV A
SIZE CODE NUMBER

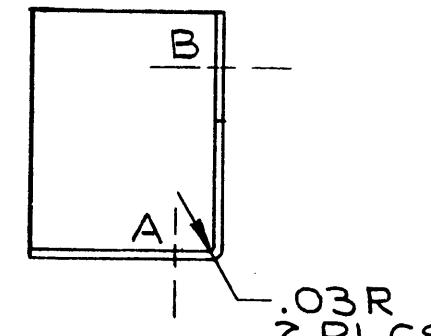
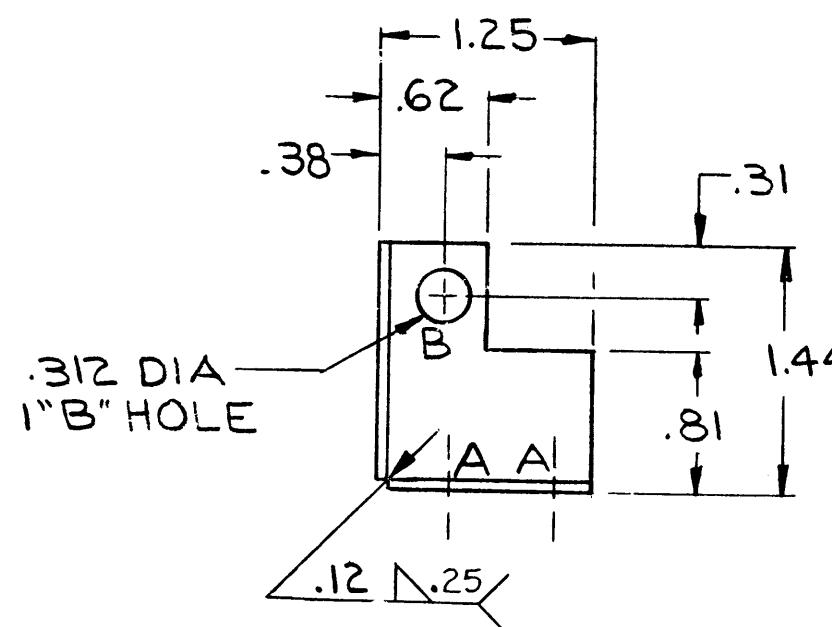
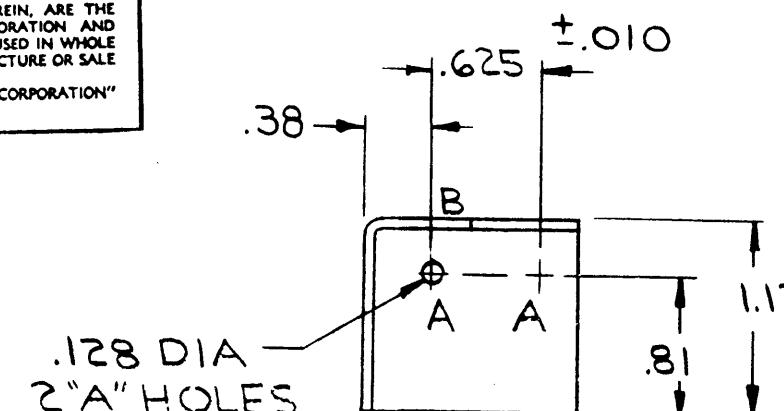
LEGEND

NOTES:

NUMBER	VARIATION
7416468-00	RIGHT HAND (SHOWN)
7416468-01	LEFT HAND (OPPOSITE)

B

B



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A

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REVISIONS	CHANGE NO.	REV.
CHK	7416468-ML001	A

1/21/80
C. NORRIS

DEC 16 (325)-1080-1B-R275
DRB 100A

4

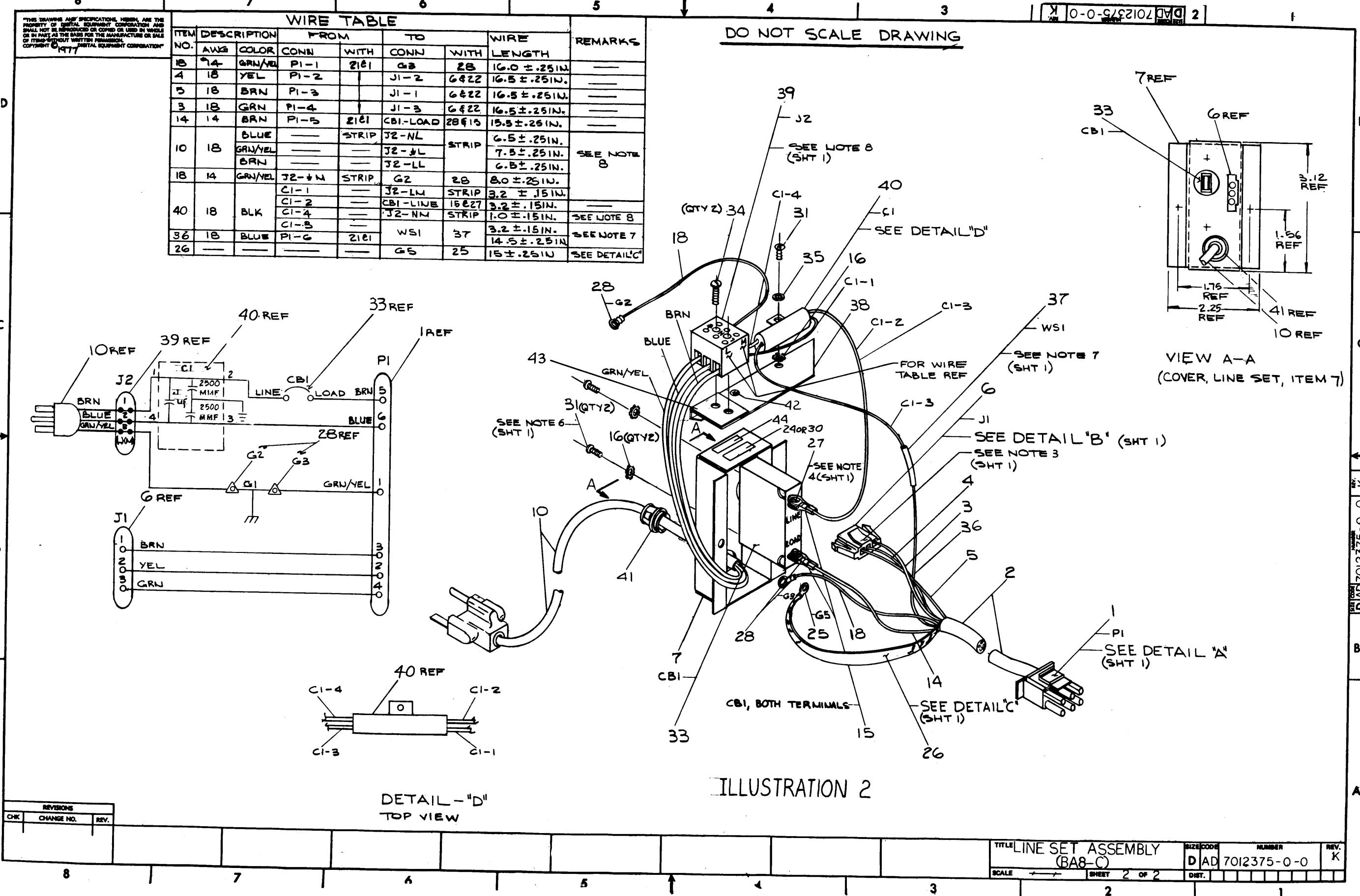
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		DESCRIPTION		DWG./PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES							
SURFACE QUALITY IN	ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES				
	MEDIUM		OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0
	MICROINCHES	±.004	±.008	±.012	±.016	±.024	±.04
PREFERRED	✓	±.012	±.016	±.025	±.04	±.063	±.1
THIRD ANGLE PROJECTION		DRN [Signature]	CHK'D [Signature]	ENG [Signature]	PROJ. ENG [Signature]	FIRST USED ON BA8-C	
REMOVE BURRS AND BREAK SHARP CORNERS		PROD. [Signature]	W. Rett	R. Jun 76	R. Jun 76	digital	
DO NOT SCALE DWG		NEXT HIGHER ASSY.				TITLE BRK'T, REG BD. SUPPORT	
MATERIAL 16 GA.(.059 THK) C.R.S.		DIA-7012417-0-0	SIZE B	CODE MD	NUMBER 7416468-0-0	REV A	
FINISH		SCALE 1 / 1	SHEET 1 OF 1	DIST.			

8	7	6	5	4	3	2	1
WIRES TABLE - ILLUSTRATION 1				DO NOT SCALE DRAWING		LEGEND	
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II 574-77 7012375-0036 JJ 574-77 7012375-0037 KK 574-77 7012375-0038 LL 574-77 7012375-0039 MM 574-77 7012375-0040 NN 574-77 7012375-0041 OO 574-77 7012375-0042 PP 574-77 7012375-0043 QQ 574-77 7012375-0044 RR 574-77 7012375-0045 SS 574-77 7012375-0046 TT 574-77 7012375-0047 UU 574-77 7012375-0048 VV 574-77 7012375-0049 WW 574-77 7012375-0050 XX 574-77 7012375-0051 YY 574-77 7012375-0052 ZZ 574-77 7012375-0053 AA 574-77 7012375-0054 BB 574-77 7012375-0055 CC 574-77 7012375-0056 DD 574-77 7012375-0057 EE 574-77 7012375-0058 FF 574-77 7012375-0059 GG 574-77 7012375-0060 HH 574-77 7012375-0061 II 574-77 7012375-0062 KK 574-77 7012375-0063 LL 574-77 7012375-0064 MM 574-77 7012375-0065 NN 574-77 7012375-0066 OO 574-77 7012375-0067 PP 574-77 7012375-0068 QQ 574-77 7012375-0069 RR 574-77 7012375-0070 SS 574-77 7012375-0071 TT 574-77 7012375-0072 UU 574-77 7012375-0073 VV 574-77 7012375-0074 WW 574-77 7012375-0075 XX 574-77 7012375-0076 YY 574-77 7012375-0077 ZZ 574-77 7012375-0078 AA 574-77 7012375-0079 BB 574-77 7012375-0080 CC 574-77 7012375-0081 DD 574-77 7012375-0082 EE 574-77 7012375-0083 FF 574-77 7012375-0084 GG 574-77 7012375-0085 HH 574-77 7012375-0086 II 574-77 7012375-0087 KK 574-77 7012375-0088 LL 574-77 7012375-0089 MM 574-77 7012375-0090 NN 574-77 7012375-0091 OO 574-77 7012375-0092 PP 574-77 7012375-0093 QQ 574-77 7012375-0094 RR 574-77 7012375-0095 SS 574-77 7012375-0096 TT 574-77 7012375-0097 UU 574-77 7012375-0098 VV 574-77 7012375-0099 WW 574-77 7012375-00100 XX 574-77 7012375-00101 YY 574-77 7012375-00102 ZZ 574-77 7012375-00103 AA 574-77 7012375-00104 BB 574-77 7012375-00105 CC 574-77 7012375-00106 DD 574-77 7012375-00107 EE 574-77 7012375-00108 FF 574-77 7012375-00109 GG 574-77 7012375-00110 HH 574-77 7012375-00111 II 574-77 7012375-00112 KK 574-77 7012375-00113 LL 574-77 7012375-00114 MM 574-77 7012375-00115 NN 574-77 7012375-00116 OO 574-77 7012375-00117 PP 574-77 7012375-00118 QQ 574-77 7012375-00119 RR 574-77 7012375-00120 SS 574-77 7012375-00121 TT 574-77 7012375-00122 UU 574-77 7012375-00123 VV 574-77 7012375-00124 WW 574-77 7012375-00125 XX 574-77 7012375-00126 YY 574-77 7012375-00127 ZZ 574-77 7012375-00128 AA 574-77 7012375-00129 BB 574-77 7012375-00130 CC 574-77 7012375-00131 DD 574-77 7012375-00132 EE 574-77 7012375-00133 FF 574-77 7012375-00134 GG 574-77 7012375-00135 HH 574-77 7012375-00136 II 574-77 7012375-00137 KK 574-77 7012375-00138 LL 574-77 7012375-00139 MM 574-77 7012375-00140 NN 574-77 7012375-00141 OO 574-77 7012375-00142 PP 574-77 7012375-00143 QQ 574-77 7012375-00144 RR 574-77 7012375-00145 SS 574-77 7012375-00146 TT 574-77 7012375-00147 UU 574-77 7012375-00148 VV 574-77 7012375-00149 WW 574-77 7012375-00150 XX 574-77 7012375-00151 YY 574-77 7012375-00152 ZZ 574-77 7012375-00153 AA 574-77 7012375-00154 BB 574-77 7012375-00155 CC 574-77 7012375-00156 DD 574-77 7012375-00157 EE 574-77 7012375-00158 FF 574-77 7012375-00159 GG 574-77 7012375-00160 HH 574-77 7012375-00161 II 574-77 7012375-00162 KK 574-77 7012375-00163 LL 574-77 7012375-00164 MM 574-77 7012375-00165 NN 574-77 7012375-00166 OO 574-77 7012375-00167 PP 574-77 7012375-00168 QQ 574-77 7012375-00169 RR 574-77 7012375-00170 SS 574-77 7012375-00171 TT 574-77 7012375-00172 UU 574-77 7012375-00173 VV 574-77 7012375-00174 WW 574-77 7012375-00175 XX 574-77 7012375-00176 YY 574-77 7012375-00177 ZZ 574-77 7012375-00178 AA 574-77 7012375-00179 BB 574-77 7012375-00180 CC 574-77 7012375-00181 DD 574-77 7012375-00182 EE 574-77 7012375-00183 FF 574-77 7012375-00184 GG 574-77 7012375-00185 HH 574-77 7012375-00186 II 574-77 7012375-00187 KK 574-77 7012375-00188 LL 574-77 7012375-00189 MM 574-77 7012375-00190 NN 574-77 7012375-00191 OO 574-77 7012375-00192 PP 574-77 7012375-00193 QQ 574-77 7012375-00194 RR 574-77 7012375-00195 SS 574-77 7012375-00196 TT 574-77 7012375-00197 UU 574-77 7012375-00198 VV 574-77 7012375-00199 WW 574-77 7012375-00200 XX 574-77 7012375-00201 YY 574-77 7012375-00202 ZZ 574-77 7012375-00203 AA 574-77 7012375-00204 BB 574-77 7012375-00205 CC 574-77 7012375-00206 DD 574-77 7012375-00207 EE 574-77 7012375-00208 FF 574-77 7012375-00209 GG 574-77 7012375-00210 HH 574-77 7012375-00211 II 574-77 7012375-00212 KK 574-77 7012375-00213 LL 574-77 7012375-00214 MM 574-77 7012375-00215 NN 574-77 7012375-00216 OO 574-77 7012375-00217 PP 574-77 7012375-00218 QQ 574-77 7012375-00219 RR 574-77 7012375-00220 SS 574-77 7012375-00221 TT 574-77 7012375-00222 UU 574-77 7012375-00223 VV 574-77 7012375-00224 WW 574-77 7012375-00225 XX 574-77 7012375-00226 YY 574-77 7012375-00227 ZZ 574-77 7012375-00228 AA 574-77 7012375-00229 BB 574-77 7012375-00230 CC 574-77 7012375-00231 DD 574-77 7012375-00232 EE 574-77 7012375-00233 FF 574-77 7012375-00234 GG 574-77 7012375-00235 HH 574-77 7012375-00236 II 574-77 7012375-00237 KK 574-77 7012375-00238 LL 574-77 7012375-00239 MM 574-77 7012375-00240 NN 574-77 7012375-00241 OO 574-77 7012375-00242 PP 574-77 7012375-00243 QQ 574-77 7012375-00244 RR 574-77 7012375-00245 SS 574-77 7012375-00246 TT 574-77 7012375-00247 UU 574-77 7012375-00248 VV 574-77 7012375-00249 WW 574-77 7012375-00250 XX 574-77 7012375-00251 YY 574-77 7012375-00252 ZZ 574-77 7012375-00253 AA 574-77 7012375-00254 BB 574-77 7012375-00255 CC 574-77 7012375-00256 DD 574-77 7012375-00257 EE 574-77 7012375-00258 FF 574-77 7012375-00259 GG 574-77 7012375-00260 HH 574-77 7012			



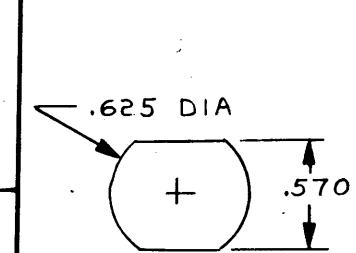
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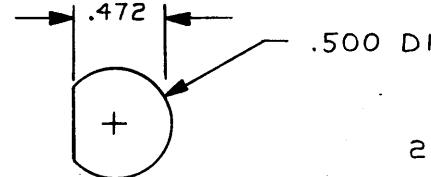
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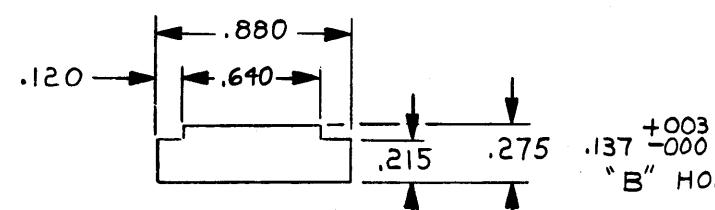
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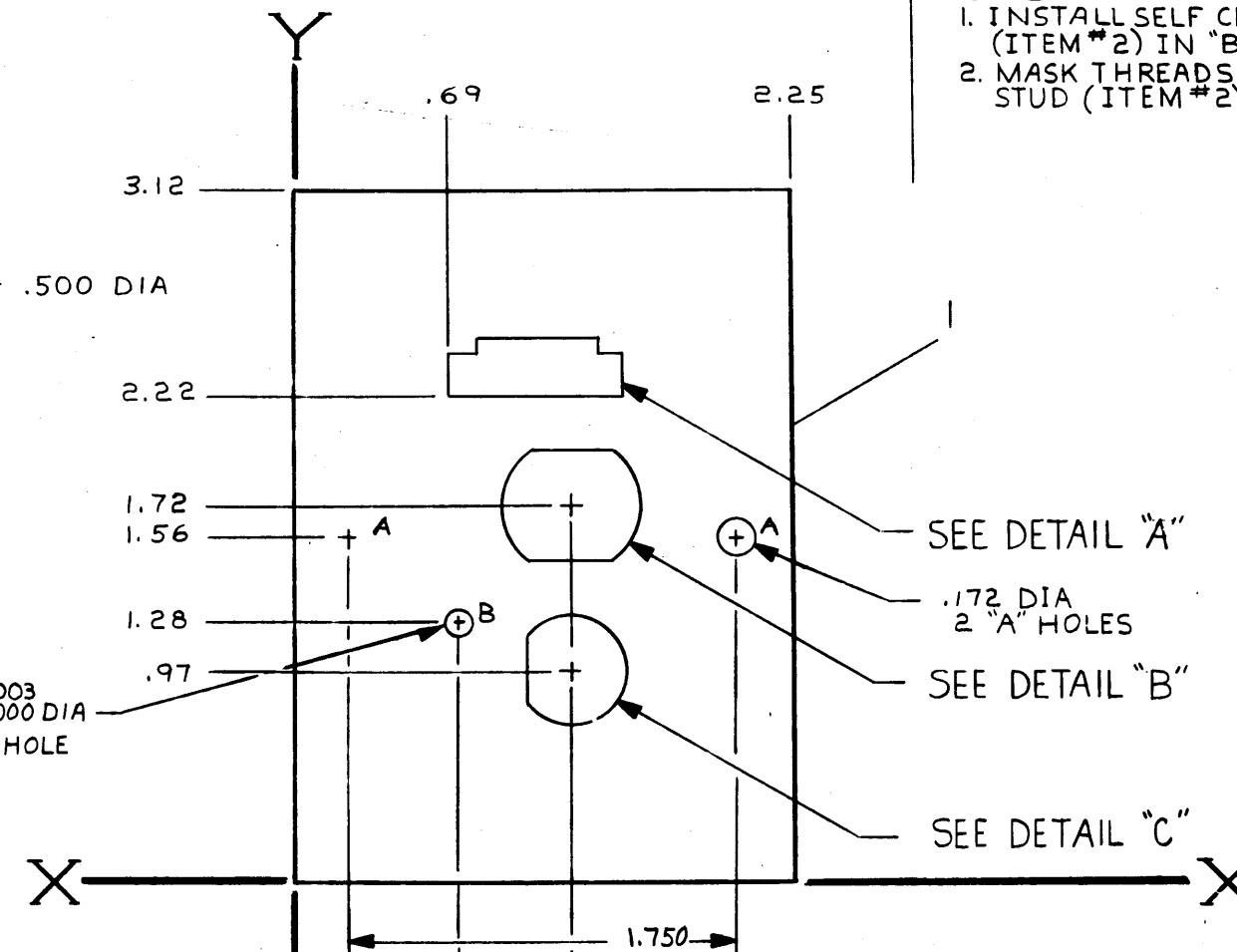
DETAIL "B"



DETAIL "C"



DETAIL "A"



NOTES:

1. INSTALL SELF CLINCHING STUD (ITEM #2) IN "B" HOLE
2. MASK THREADS TO SELF CLINCHING STUD (ITEM #2) PRIOR TO FINISH

D

C

B

B

A

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 8 A	1	SELF CLINCHING STUD #6-32X 3/8 LG	9007164	2

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN.	DATE
TOLERANCES	CHK'D.	DATE
DECIMALS	ENG.	DATE
.xxx = .005	J. Kelly	8-20-74
.xx = .02	J. Kelly	8-20-74
.x = .1	PROTENED	8-20-74
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY V	PROD.	8-20-74
MATERIAL #18 GA. (.048THK) CRS	NEXT HIGHER ASSY.	
FINISH 9200120-94	D-IA-7010041-0-0	SIZE CODE C

digital EQUIPMENT CORPORATION
MAYNARD MASSACHUSETTS

TITLE PLATE, LINE SET

REVISIONS	CHANGE NO.	REV.
CHK		

REVISIONS	CHANGE NO.	REV.
CHK		

DEC FORM NO. 1010-134

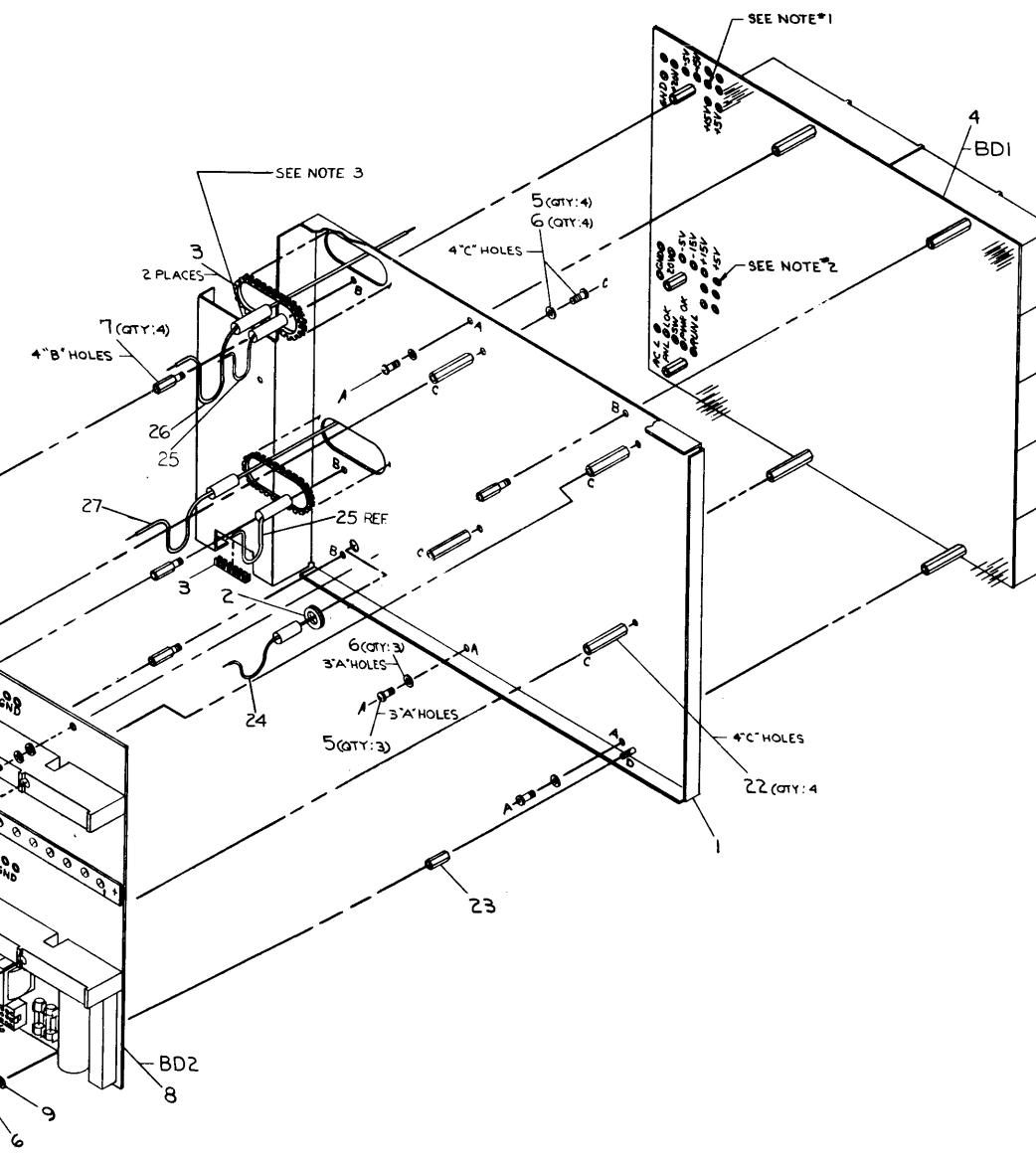
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ITEM NO.	DESCRIPTION	FROM		TO		REMARKS
		AWG COLOR	CONN	WITH	CONN	
22	YEL	BDI/AC LO	SOLD.	BD2/AC LO	SOLD.	
22	VIO	BDI/PNL LOK	SOLD.	BD2/PNL LOK	SOLD.	
22	WHT	BDI/SW	SOLD.	BD2/SW	SOLD.	
22	GRY	BDI/PWR OK	SOLD.	BD2/PWR OK	SOLD.	
22	BRN	BDI/RUN L	SOLD.	BD2/RUN L	SOLD.	
12	BLK	BDI/GND	SOLD.	BD2/GND	SOLD.	
12	BLK	BDI/GND	SOLD.	BD2/GND	SOLD.	
12	RED	BDI/+5V	SOLD.	BD2/+5V	SOLD.	
14	GRN	BDI/-5V	SOLD.	BD2/-5V	SOLD.	
14	ORN	BDI/+15V	SOLD.	BD2/+15V	SOLD.	
14	YEL	BDI/+20V	SOLD.	BD2/+20V	SOLD.	
14	BLU	BDI/-15V	SOLD.	BD2/-15V	SOLD.	
14	ORN	BDI/+15V	SOLD.	BD2/+15V	SOLD.	
14	BLU	BDI/-15V	SOLD.	BD2/-15V	SOLD.	

- NOTES:
1. UTILIZE CENTER TERMINALS FOR WIRE CONNECTIONS.
 2. UTILIZE TOP TERMINALS FOR WIRE CONNECTIONS.
 3. ADJUST SLEEVING ON ITEMS 24, 25, 26 & 27 TO PROTECT WIRES FROM PINS AND COMPONENT LEADS.

ASSEMBLY INSTRUCTIONS

1. ATTACH ROUND GROMMET (ITEM 2) TO CENTER WALL (ITEM 1).
2. ATTACH CATERPILLAR GROMMET (3 PLACES) (ITEM 3) TO CENTER WALL (ITEM 1).
3. ASSEMBLE SPACER 8-32 x 1.25 LG. (ITEM 22 QTY. 4) TO CENTER WALL (ITEM 1) USING 8-32 x .25 LG. SCREW (ITEM 5) AND #8 INT. TOOTH LOCKWASHER (ITEM 6).
4. ASSEMBLE SPACER 8-32 x .62 LG. (ITEM 23) TO CENTER WALL (ITEM 1).
5. SOLDER WIRES GROUP 1, 2, & 3 TO H9195 (ITEM 4) USING (ITEMS 11 THRU 21) REFER TO WIRE TABLE.
6. ASSEMBLE H9195 BACKPLANE (ITEM 4) TO CENTER WALL (ITEM 1) USING THREE 8-32 x .25 LG. SCREWS (ITEM 5) AND THREE #8 INT. TOOTH LOCKWASHERS (ITEM 6), ALSO FOUR M/F STANDOFF (ITEM 7) FEED WIRES THRU HOLES ON (ITEM 1) AS SHOWN ON DWG.
7. SOLDER ITEMS 24, 25, 26 & 27 FROM H9195 (ITEM 4) TO PWR DIST. BOARD (ITEM 8) REFER TO WIRE TABLE.
8. ASSEMBLE PWR. DIST. BOARD (ITEM 8) TO CENTER WALL (ITEM 1) USING FIVE 8-32 x .25 LG. SCREW (ITEM 5), FIVE #8 INT. TOOTH LOCKWASHER (ITEM 6) AND FIVE #8 FLT. WASHERS (ITEM 9). ALSO USE FOUR POST-DRIVE SCREWS 8-32 x .75 (ITEM 10).

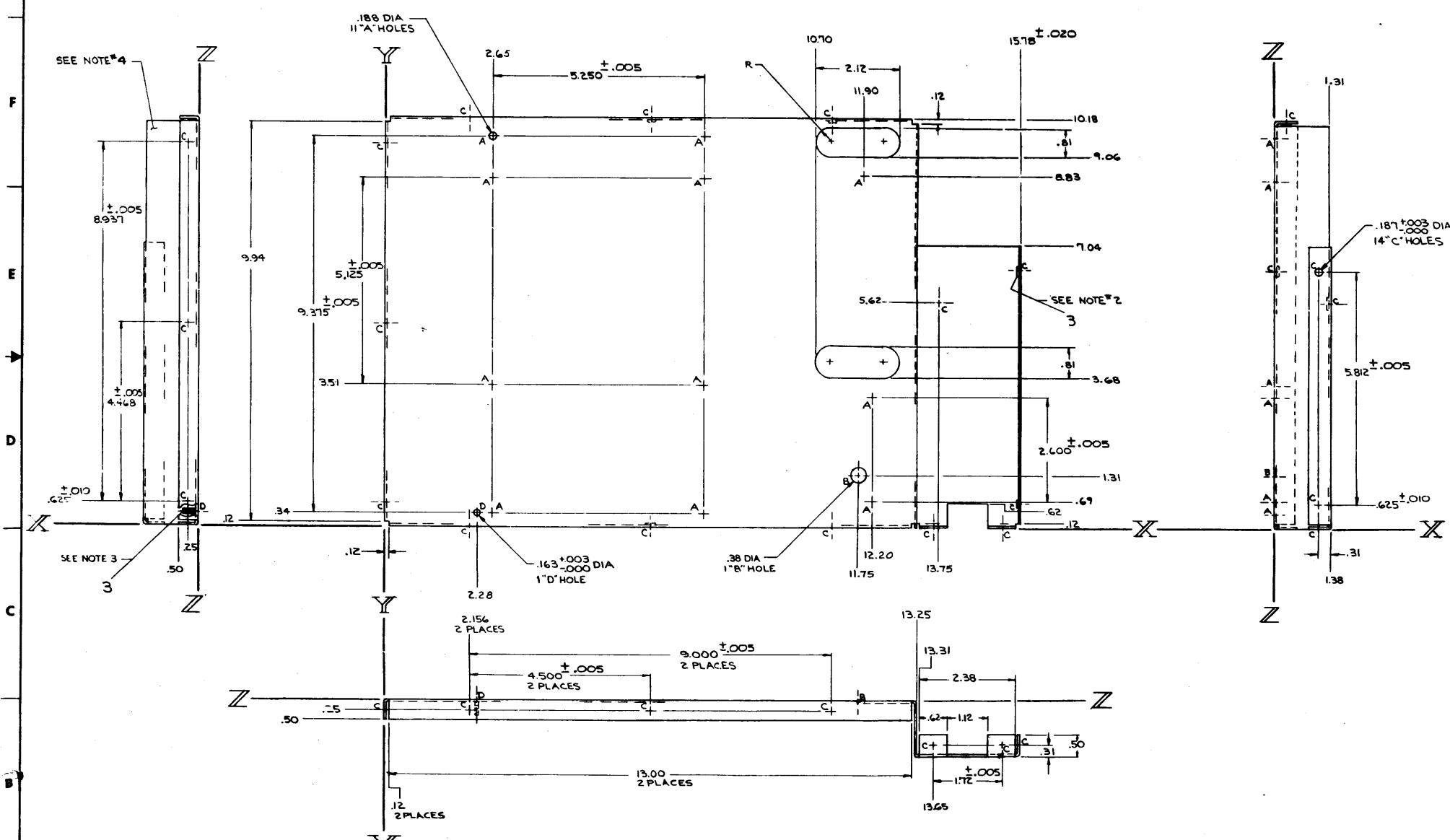


DESCRIPTION	QTY.	PLATE NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES	1/2"	1/4"	1/8"
CLAS. OF ACCURACY	1/16"	1/32"	1/64"
FINISH	1.000	0.975	0.950
FACE	1.000	0.975	0.950
QUALITY	MEDIUM	1.000	0.975
UNSPECIFIED	1.012	0.980	0.960
PREFERRED	1.012	0.980	0.960
MATERIAL			
DRILL	1/16" 1/4"	1/16" 1/4"	1/16" 1/4"
CHUCK	1/4" 1/2"	1/4" 1/2"	1/4" 1/2"
ENCL. DRILL	1/16" 1/4"	1/16" 1/4"	1/16" 1/4"
END DRILL	1/16" 1/4"	1/16" 1/4"	1/16" 1/4"
PROOF	1/16" 1/4"	1/16" 1/4"	1/16" 1/4"
NEXT HIGHER ASY.			
MATERIAL	SEE PARTS LIST	E-1A-BAB-C-0	SIZE CODE
FINISH	SEE PARTS LIST	E	NUMBER
		AD	REV.
		7012561-0-0	B

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NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL BEND RADII TO BE .03R
2. INSTALL #6-32 INSERT (ITEM#2) INTO FOURTEEN (14) "C" HOLES AS SHOWN.
3. INSTALL #8-32 STUD (ITEM#3) INTO ONE (1) "D" HOLE AS SHOWN.
MASKED THREADS PRIOR TO FINISHING.
4. VENDOR IDENTIFICATION MARK TO BE ON THIS SURFACE.



1	STUD FLUSH HD #6-32 x .304	90071168-00	3
14	INSERTS, #6-32	9009150-02	2
I WALL, CENTER			
DESCRIPTION		DRG/PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
APPLES OF SURFACE QUALITY	ACCURACY CHECK ONE	INCHES	MM
	PERFERRED	1.000	25.400
	MINIMUM	0.995	24.795
	MAXIMUM	1.005	25.405
DRAWING NO.		FIRST USED ON	
CAT. NO.		BAS-C	
EQUIPMENT		TITLE	
PROL. SHEET NO.			
PROD. M. RETT		WALL, CENTER	
NEXT NUMBER ABV.			
FAD-1015C1-O-O		INCHES	NUMBER
SCALE		1 / 1	REV.
SHEET		1 / 1	B
DRAFT.			

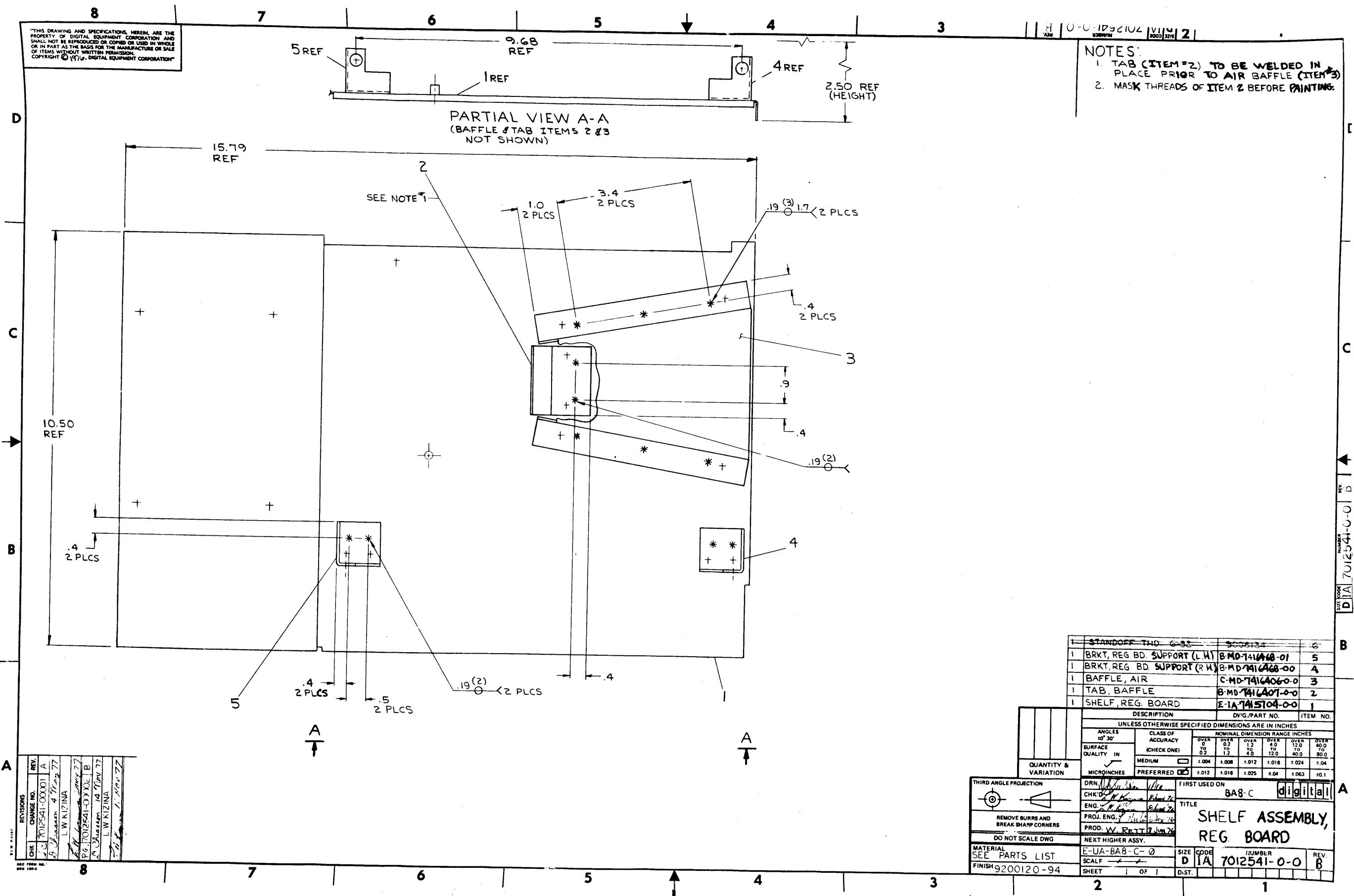
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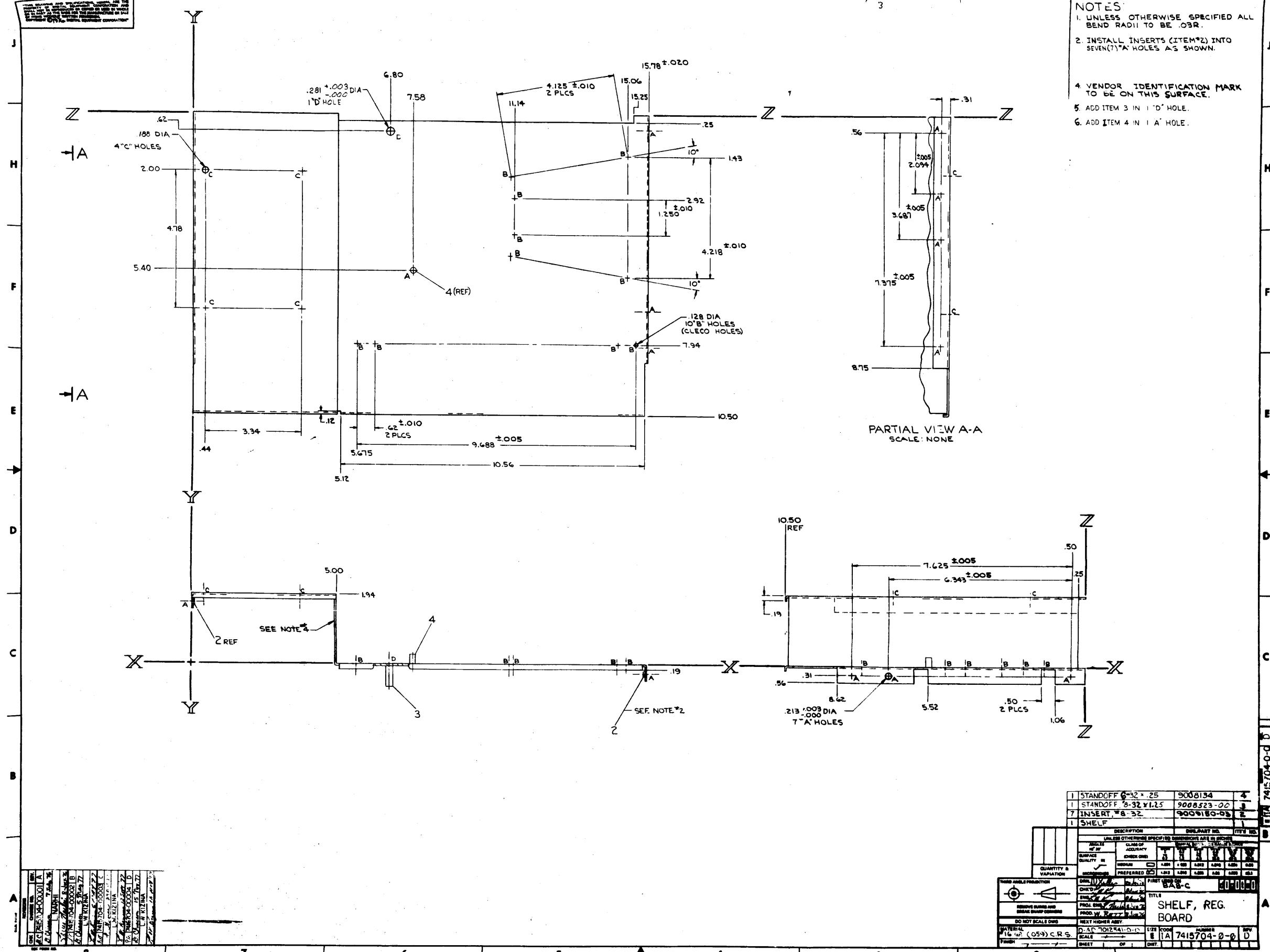


USED ON OPTION/MODEL	DRN.	R. KOPPENAL	4-5-76	TITLE			
	8E			2Ø SLOT BACK PLANE			
		CHK'D	<i>Joe Goss</i>	6/11/76			
		ENG.	<i>Larry Thulie</i>	11 JUN 76	SIZE	CODE	NUMBER
		PROD.	<i>L. Thulie</i>	1 JUN 76	B	DD	H9195-Ø
					SHEET 1 OF 1		

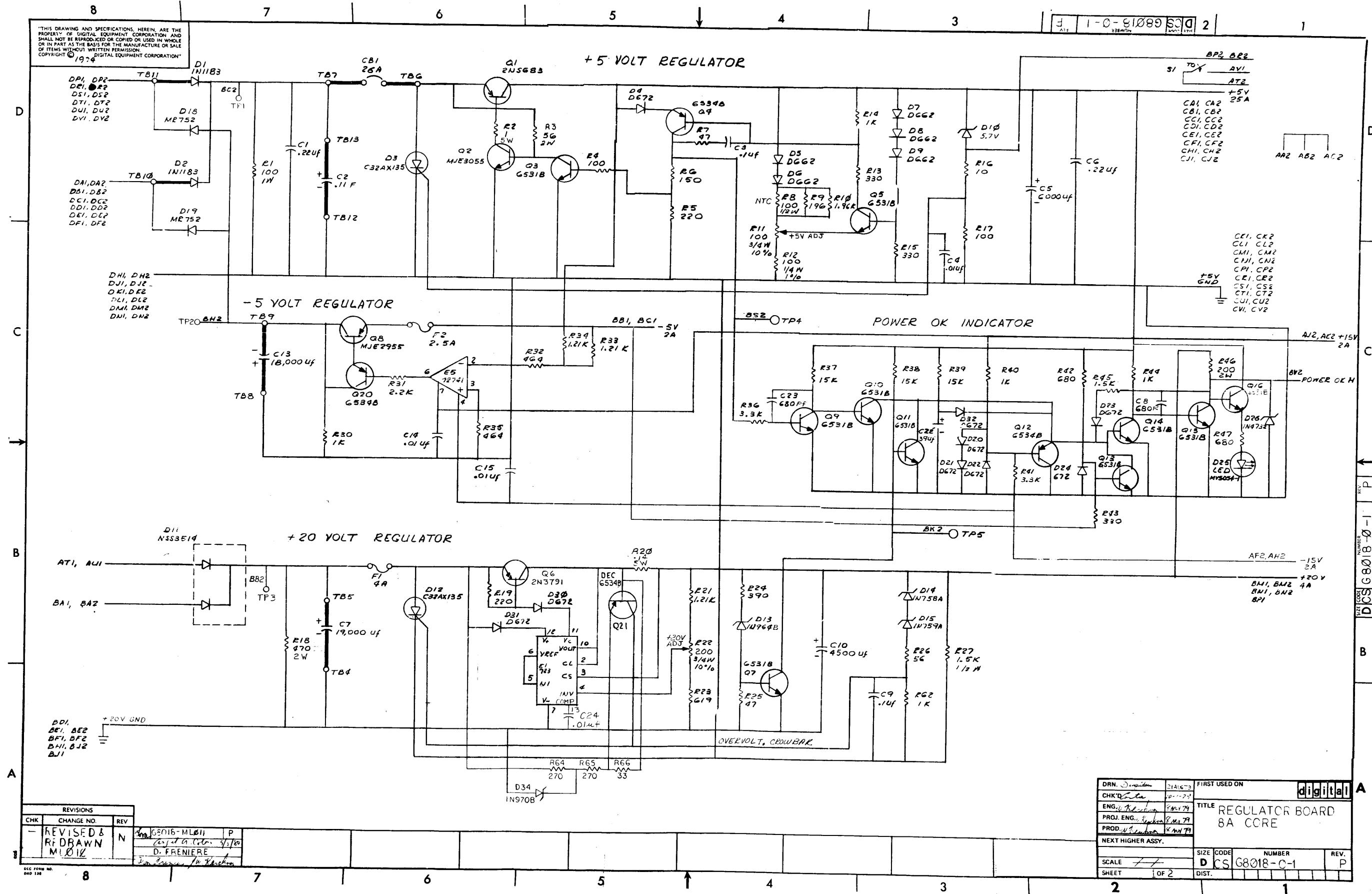
DRAWING NO.	NO. OF SHTS	PART NO.	DESCRIPTION	REVISIONS															
				DATE	CHG NO	REV	ORIG.	USED ON	OPTION/MODEL	DRN.	CHK'D	ENG.	PROD.	TITLE	SIZE CODE	NUMBER	REV.		
B-MH-5412000-0-6	1		BA8-C POWER DISTRIBUTION BD.	*	A	B	C	D	E	R. KOPPENAL	4-1-76			BA8-C POWER	B	5412000-0	E		
E-UA-5412000-0-0	3		BA8-C POWER DISTRIBUTION BD.	A	B	C	D	E	F					DISTRIBUTION BOARD	DD				
B-PL-5412000-0-0	3		BA8-C POWER DISTRIBUTION BD.	A	B	C	D	E	F										
D-CS-5412000-0-1	2		BA8-C, POWER DISTRIBUTION BD.	A	B	C	D	E	F										
D-MD-5012001-0-0	3		ETCH & DRILL DRAWING	A	A	A	A	A	A										
	5012001		ETCHED BOARD	B	B	B	B	B	B										
5412000-0-L			P.C. DESIGN DATA BASE	REF	REF	REF	REF	REF	REF										
5412000-0-PL			INSERTION P/L DATA BASE	REF	REF	REF	REF	REF	REF										
NOTES:				REVISIONS	DATE	CHG NO	REV	ORIG.	USED ON	OPTION/MODEL	DRN.	CHK'D	ENG.	PROD.	TITLE	SIZE CODE	NUMBER	REV.	
					9-76	00001	A				R. KOPPENAL	4-1-76			BA8-C POWER	B	5412000-0	E	
					1-77	00002	B								DISTRIBUTION BOARD	DD			
					2-77	00003	C												
					6-77	00004	D												
					8-77	00005	E												
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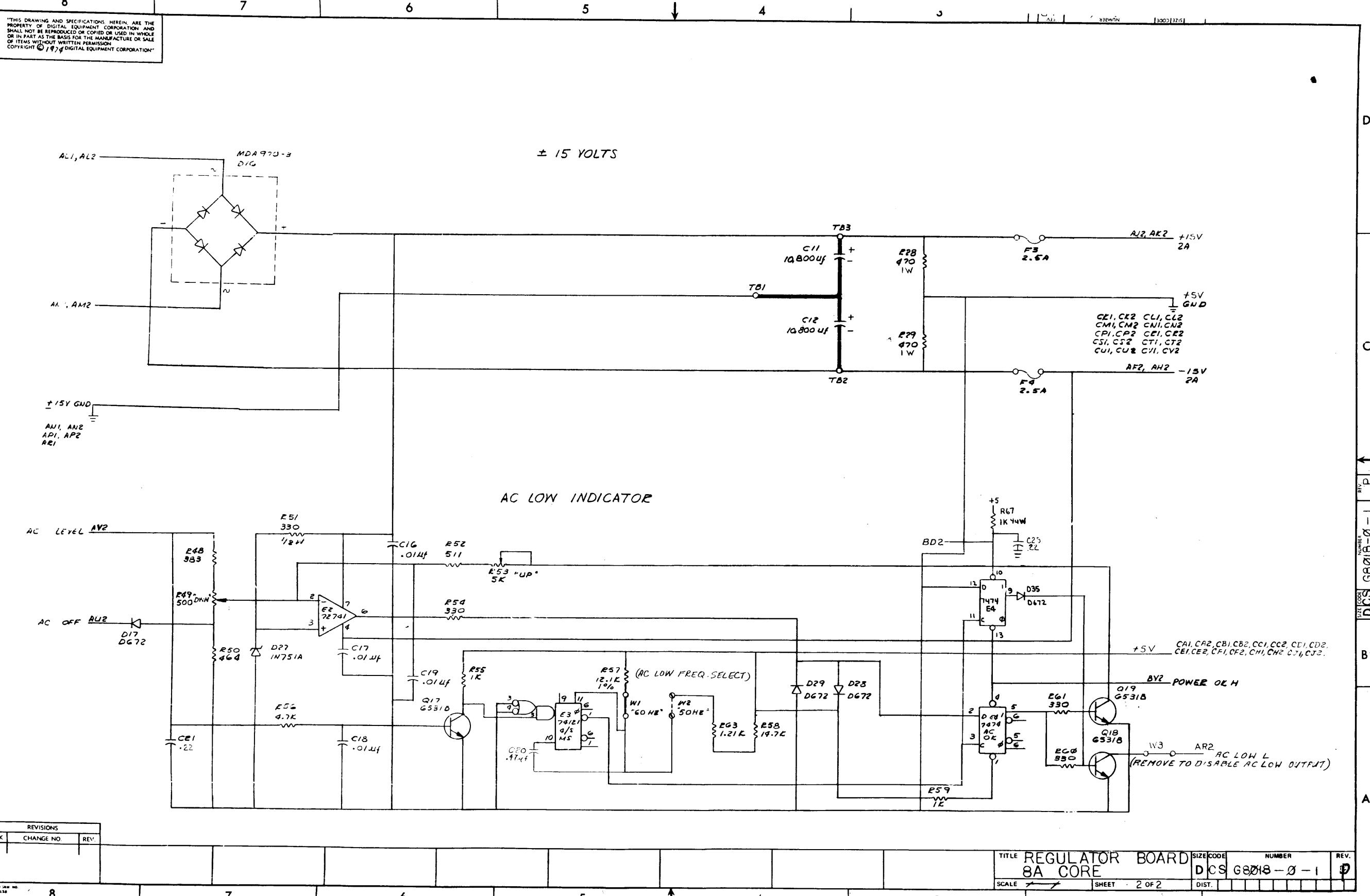


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I	STANOFF 6-32 x .25	9008134	4
I	STANOFF 8-32 x 1.25	9008523-00	3
7	INSERT, #8-32	9009180-03	2
I	SHELF		1
DESCRIPTION: SHELF PART NO. ITM#			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLE REF	DEGREE OF ACCURACY	INCHES	MM
SURFACE QUALITY	INCHES	MM	MM
PREFERRED			
QUANTITY & VARIATION			
DRAWING NUMBER: DATE: FIRST DRAWN ON: SAB-C 10-00-00			
CHECKED: APPROVED: TITLE: SHELF, REG. BOARD			
DESIGNER: ENGINEER AND BRAKE BENDING CHECKED: PROD. W. R. P.			
DO NOT SCALE DRAW: NEXT HIGHER ABY: D-35 TO 12.41-0-1			
MATERIAL: #16 (.059) C.R.S. DRAWN BY: I.A. 7415704-0-0 D			
FINISH: SHEET 1 OF 1 DATE: 10-00-00			





DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					
ENGINEERING SPECIFICATION			DATE 12/30/74		
TITLE G8018 REGULATOR BOARD					
REVISIONS					
REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY
A	ECO G8018	ML012	Don Freniere	2-Sep-80	J.P./W.K. 15 Oct 80

ENG	Al DeLuca	APPD	Al DeLuca	SIZE	CODE	NUMBER	REV
				A	SP	G8018-0-8	A
DEC 16-(392)-1079A-R873 DRA 107A							
SHEET 1 OF 12							

ENGINEERING SPECIFICATION					
CONTINUATION SHEET					
TITLE G8018 REGULATOR BOARD					
TABLE OF CONTENTS					
1.0 General Description					
1.1 Mechanical Configuration					
1.2 Electrical Configuration					
2.0 Electrical Specifications					
2.1 Input					
2.2 Output					
3.0 Environmental and Physical					
4.0 Quality Assurance					
4.1 Components Derating					

SIZE	CODE	NUMBER	REV
A	SP	G8018-0-8	A
DEC FORM NO DEC 16-(381)-1022-N370 DRA 108			
SHEET 2 OF 12			

ENGINEERING SPECIFICATION					
CONTINUATION SHEET					
TITLE G8018 REGULATOR BOARD					
1.0 General Description					
<p>The power supply of which the G8018 Regulator is a part provides voltages of ± 5, ± 15 and ± 20 volts. A ferro-resonant transformer provides the basic regulation for ± 5 and ± 20 volts and the total regulation for ± 15 volts. A series regulator is used to provide the final regulation of ± 5 and ± 20 volts. Power OK and AC low are also provided.</p>					
1.1 Mechanical Configuration					
<p>The G8018 is built on a quad module as shown in Figure 1. The DC outputs and the AC inputs are via the board edge fingers utilizing multiple connections to handle the necessary current (no more than two amps per pin).</p>					
1.2 Electrical Configuration					
<p>Figure 2 is a block diagram of the power supply.</p>					
<p><u>AC Low</u></p> <p>The primary (Example: 115V) AC powers two separate transformers, neither of which resides on the G8018 module. Refer to the H9194 power assembly. The linear transformer secondary output provides a true proportional measure of the AC line voltage unaffected by the load on the power supply. Its output is rectified and fed into a differential amplifier having hysteresis. A "low" voltage indication is given at a 95 volt line and a "not low" voltage indication at a 105 volt line in a 115V system. Both of these threshold values are adjustable. This signal is TTL compatible. AC low will sink 50mA (refer to Figures 3 and 4). NOTE: For 220-240 volt systems, a "low" indication is adjusted for 190 volts and a "not low" at 210 volts.</p>					
<p><u>Regulators</u></p> <p>The second transformer driven by the (115V) AC is a multiple secondary ferro-resonant. The ferro-resonant transformer is used to reduce the power dissipation on the heat sink and to allow lower voltage, smaller capacitors to be used as the regulator input capacitors. The</p>					
SIZE	CODE	NUMBER	REV		
A	SP	G8018-0-8	A		
DEC FORM NO EN-01022-16-N370-(381) DRA 108					
SHEET 3 OF 12					

ENGINEERING SPECIFICATION					
CONTINUATION SHEET					
TITLE G8018 REGULATOR BOARD					
<p>+5 volt 25 amp regulator is designed using discrete components for its error feedback amplifier. The -5 volt 2 amp and the +20 volt 3.5 amp regulators use I.C.'s as their error feedback amplifiers. The ± 15 volts, 2 amps each, do not have any regulators other than that of the ferro-resonant transformer.</p>					
<p><u>Power OK</u></p> <p>This is an indication that +5 volts is in regulation and that all other voltage, -5, +15, -15 and +20 volts are at approximately their normal values. A LED indication, ON, is given if all voltages are good. This LED resides on the G8018 module. This signal, Power OK, goes true (high) approximately 20ms after power on and goes low as the +5 volts goes out of regulation (about 50mV below the +5 volt set voltage), or if any other voltage falls lower than 20% of its normal value. Power OK will source 20mA @ 3V and sink 100mA. (Refer to Figure 4.)</p>					
<p><u>Current Interrupters</u></p> <p>+5 volts has the only circuit breaker in this power supply. This circuit breaker is tripped by any of the following conditions:</p>					
<p>a. Overvoltage</p> <p>If the +5 volts exceeds $6.0 \pm .3$ volts, an SCR will turn on, which in turn trips the breaker.</p>					
<p>b. Over Current</p> <p>If the +5 volts exceeds 20.0 ± 2 amps or if +5 volts is shorted to ground, the current carrying capacity of the circuit breaker will be exceeded.</p>					
<p>c. Board Removal</p> <p>If the G8018 is moved more than 1/8 inch from its full seated position, +5 volts will be connected to pin BR2. This will turn the SCR on.</p>					

SIZE	CODE	NUMBER	REV
A	SP	G8018-0-8	A
DEC FORM NO DEC 16-(381)-1022-N370 DRA 108			
SHEET 4 OF 12			

ENGINEERING SPECIFICATION



CONTINUATION SHEET

TITLE G8018 REGULATOR BOARD

± 15 , -5 and +20 volts all have fuses. The +20 volt fuse will clear only on an overvoltage condition of $22.5 \pm 1.5V$. The remaining fuses, ± 15 and -5 volts, are for overcurrent protection only.

2.0 Electrical Specification

2.1 Input

Voltage ranges are selected by plugging the appropriate Mate-N-Lock connector into the desired voltage socket on the H9194 backplane assembly. Frequency changes require a different ferro-resonant transformer.

60 Hz DEC Part Number
50 Hz DEC Part Number

Input Voltage (single phase, 2 wire): 90-132 VRMS
180-264 VRMS

Input Frequency: 50 Hz ± 1 Hz or 60 Hz ± 1 Hz

Input Current: 6.2 A RMS @ 90 VAC
3.1 A RMS @ 180 VAC
(Maximum @ full load)

Inrush Current: 100 Amps peak for 5ms (115 VAC)

Input Power: 450 Watts

Input Protection: 8 ASB fuse 90-132 VAC
4 ASB fuse 180-264 VAC

Thermostat: This thermostat does not interrupt the AC input, but instead sends a signal to the H9194 (8A backplane & power control). The H9194 in turn removes the AC power from the 8A and sends a signal out to the main power control (861C). The 861C will then remove the AC power from all devices plugged into its switched receptacles.

SIZE	CODE	NUMBER	REV
A	SP	G8018-0-8	A

SHEET 5 OF 12

DEC FORM NO DEC 16-(381)-1022-N370
DRA 108

ENGINEERING SPECIFICATION



CONTINUATION SHEET

TITLE G8018 REGULATOR BOARD

2.2 Output

Output parameters are specified at the board output finger connections. Distribution losses should be considered by the user.

2.2.1 +5 Volts

- a. Adjustable from 4.5-5.5 volts
 - b. Load range - static 0-25 Amps
 - c. Ripple - 25mV p-p (max) @ 25 Amps
 - d. Regulation - Line $\pm .1\%$ max.
- Dynamic - Output will recover to within 1% of previous value within 20uSec of a 5 amp step change.

- Output capacitor ESR = $.05\Omega$ max.
- e. Temperature Coefficient - ± 1.5 mv/ $^{\circ}$ C
 - f. Stability - .2%/1000 hrs. after 15 minute warm up.
 - g. Overcurrent protection - circuit breaker trip current 32 amps max.
 - h. Overvoltage protection - circuit breaker trips at 5.7-6.3 volts.

-5 Volts

- a. Non adjustable - follows +5 volts to within $\pm 2\%$
- b. Load range - static 0-2 amps
- c. Ripple - 50 mv p-p (max) 2 amps
- d. Regulation - line $\pm .2\%$ max.

Dynamic - This supply is not designed for dynamic changes. There is no output capacitor. Will recover to within 1% of previous value within 1ms of a .5 amp step change.

- e. Temperature coefficient - ± 1.5 mv/ $^{\circ}$ C
- f. Stability - .4%/1000 hrs. after 15 minute warm up.

SIZE	CODE	NUMBER	REV
A	SP	G8018-0-8	A

DEC FORM NO DEC 16-(381)-1022-N370
DRA 108

SHEET 6 OF 12

ENGINEERING SPECIFICATION



CONTINUATION SHEET

TITLE G8018 REGULATOR BOARD

- g. Overcurrent protection - 2.5 amp normal-blo fuse
- h. Overvoltage protection - none

+20 Volts

- a. Adjustable from 18.5-21.5 volts
 - b. Load range static - 0-3.5 amps
 - c. Ripple - 100mV p-p (max) 3.5 amps
 - d. Regulation - line $\pm .1\%$
- Dynamic - output will recover to within 1% of previous value within 20uSec. of a 1 amp step change.
- Output capacitor ESR = $.11\Omega$ max.
- e. Temperature coefficient - ± 1 mv/ $^{\circ}$ C.
 - f. Stability - .2%/1000 hrs. after 15 minute warm up.
 - g. Overcurrent protection - electronically limited to 4 amps.
 - h. Overvoltage protection - 4 amp fuse clears at 21-24 volts.

+15 Volts

- a. Non-adjustable
 - b. Load range - static 0-2 amps
 - c. Ripple - 1 volt p-p (max) 2 amps
 - d. Regulation-line & load $\pm 12\% -7\%$
- Dynamic - load =
- There is no active regulator for this voltage. The only regulation is that of the ferro-resonant transformer.
- e. Overcurrent protection - 2.5 amps normal blo fuse.
 - f. Overvoltage protection - none.

SIZE	CODE	NUMBER	REV
A	SP	G8018-0-8	A

SHEET 7 OF 12

DEC FORM NO DEC 16-(381)-1022-N370
DRA 108

ENGINEERING SPECIFICATION



CONTINUATION SHEET

TITLE G8018 REGULATOR BOARD

-15 Volts

- a. Non-adjustable
- b. Load range - static 0-2 amps
- c. Ripple - 1 volt p-p (max) 2 amps
- d. Regulation - line & load $\pm 12\% -5\%$

Dynamic - load =
There is no active regulator for this voltage. The only regulation is that of the ferro-resonant transformer.

- e. Overcurrent protection - 2.5 amp normal blo fuse
- f. Overvoltage protection - none

3.0 Environmental and Physical

Size - 11" wide x 8 $\frac{1}{2}$ " deep x 4 1/16" high
Side 2 component height = 2 3/4"
Side 1 component height = 1 $\frac{1}{4}$ "

Weight - 7 lbs.

Cooling - 110 CFM fan blowing across heat sink in direction parallel to fins.

Shock - 40 G for 3mSec $\frac{1}{2}$ sine, six orientations (non-operating)

Vibration - 5-50 Hz .004" amplitude
50-500 Hz .0.5 G peak
Sweep 1 octave/min.

Ambient temperature 5 to 50 $^{\circ}$ C operating
-20 to 60 $^{\circ}$ C not operating
(Class C environment)

Humidity - 95% non-condensing, maximum wet bulb 90 $^{\circ}$ F

Altitude - 10,000 feet

SIZE	CODE	NUMBER	REV
A	SP	G8018-0-8	A

DEC FORM NO DEC 16-(381)-1022-N370
DRA 108

SHEET 8 OF 12

ENGINEERING SPECIFICATION

digiTech

CONTINUATION SHEET

TITLE G8018 REGULATOR BOARD

4.0 Quality Assurance

4.1 Components

Maximum temperature rise of wound components shall not exceed 50°C under worst case conditions. Semiconductor junction temperature shall not exceed manufacturer's recommendation for each application and in no case shall the junction temperature exceed 150°C.

5.0 Module Testing

The G8018 Regulator is tested in manufacturing to the parameters within this spec, by the G8016-TA dedicated tester. The tests are performed in accordance to the G8018 diagnostic test document and paper tape operating on the G8016-TA tester.

DEC FORM NO DEC 16-(381)-1022-N370
DRA 108SIZE A CODE SP NUMBER G8018-0-8 REV A
SHEET 9 OF 12

ENGINEERING SPECIFICATION

digiTech

CONTINUATION SHEET

TITLE G8018 REGULATOR BOARD

MECHANICAL CONFIGURATION

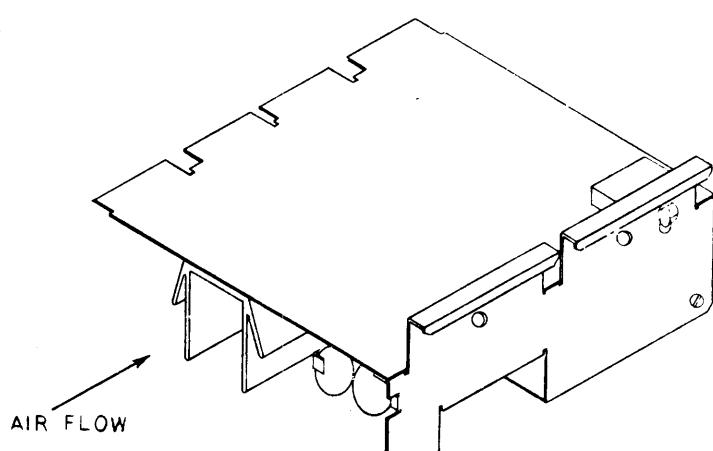


FIGURE 1

DEC FORM NO DEC 16-(381)-1022-N370
DRA 108SIZE A CODE SP NUMBER G8018-0-8 REV A
SHEET 10 OF 12

ENGINEERING SPECIFICATION

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CONTINUATION SHEET

TITLE G8018 REGULATOR BOARD

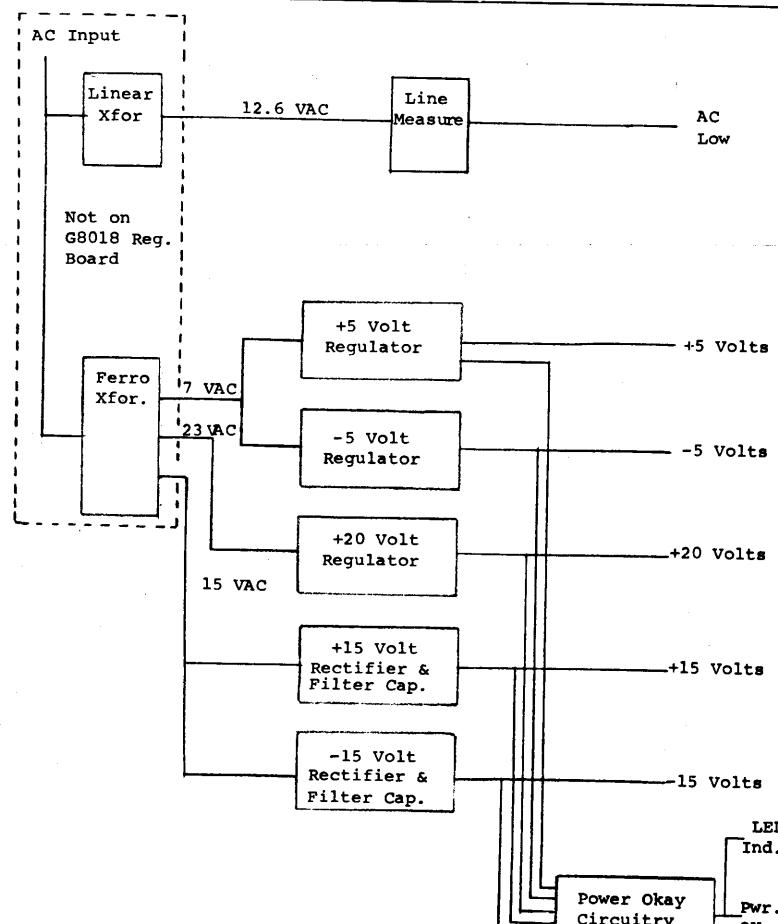


FIGURE 2

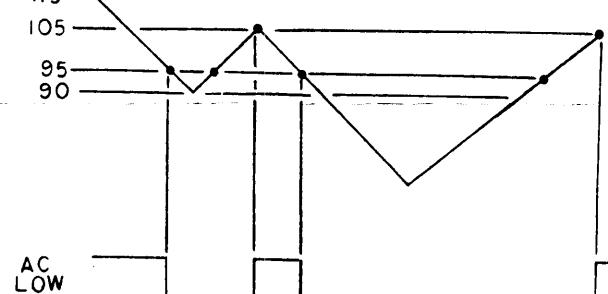
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SHEET 11 OF 12

ENGINEERING SPECIFICATION

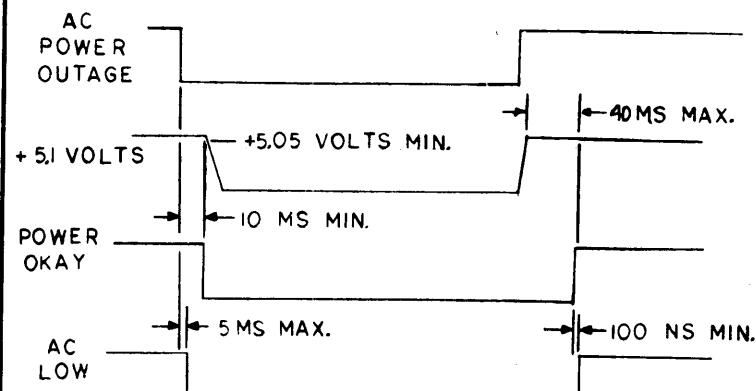
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CONTINUATION SHEET

TITLE G8018 REGULATOR BOARD

AC VOLTS RMS $\pm 3\%$
POWER FAIL SIGNAL FIGURE 3

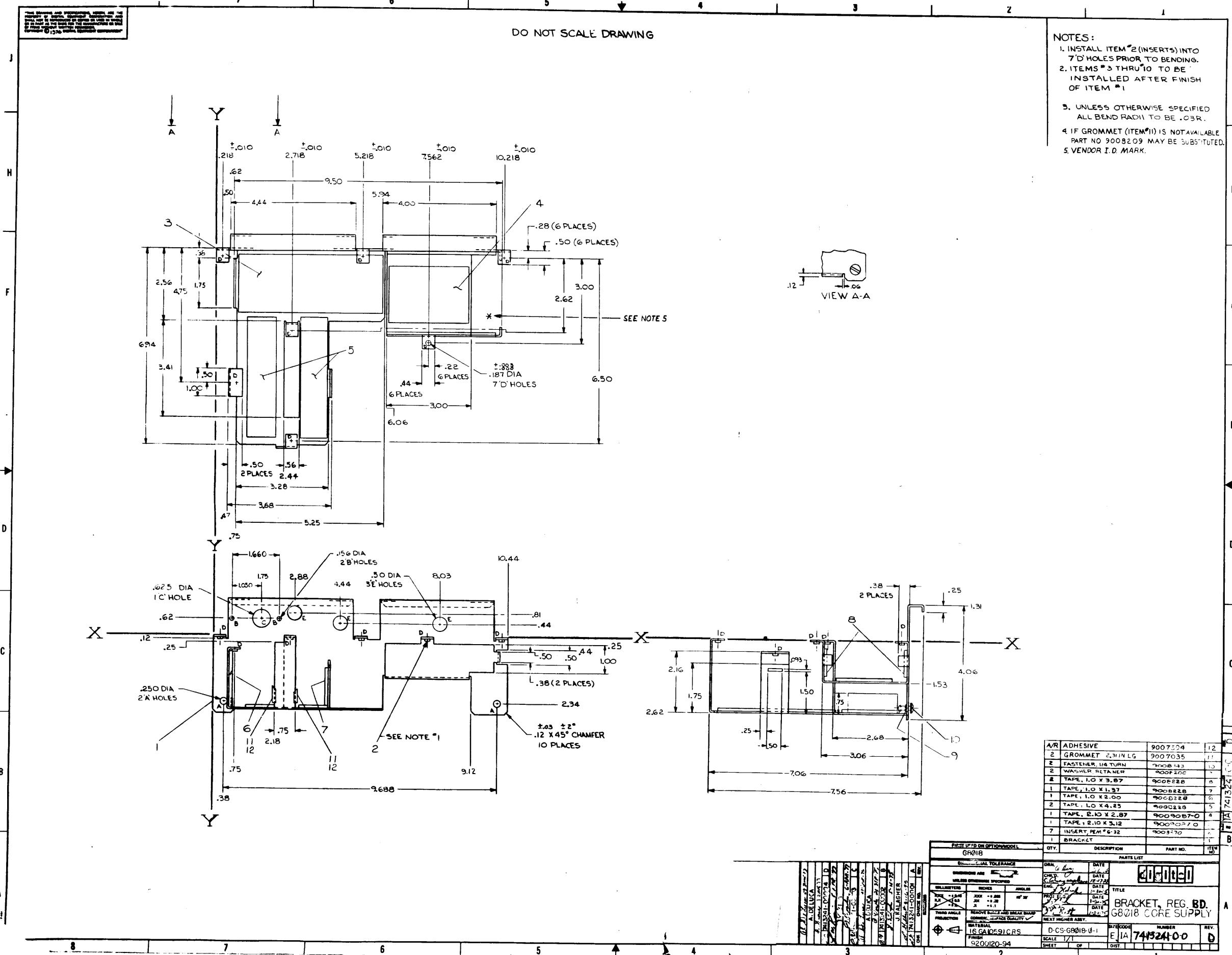
AC POWER OUTAGE FIGURE 4

DEC FORM NO DEC 16-(381)-1022-N370
DRA 108SIZE A CODE SP NUMBER G8018-0-8 REV A
SHEET 12 OF 12

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NOTES:

1. INSTALL ITEM #2 (INSERTS) INTO 7 D' HOLES PRIOR TO BENDING.
 2. ITEMS #3 THRU #10 TO BE INSTALLED AFTER FINISH OF ITEM #1
 3. UNLESS OTHERWISE SPECIFIED ALL BEND RADII TO BE .03R.
 4. IF GROMMET (ITEM #1) IS NOT AVAILABLE PART NO 9009209 MAY BE SUBSTITUTED.
 5. VENDOR I.D. MARK.



4

3

2

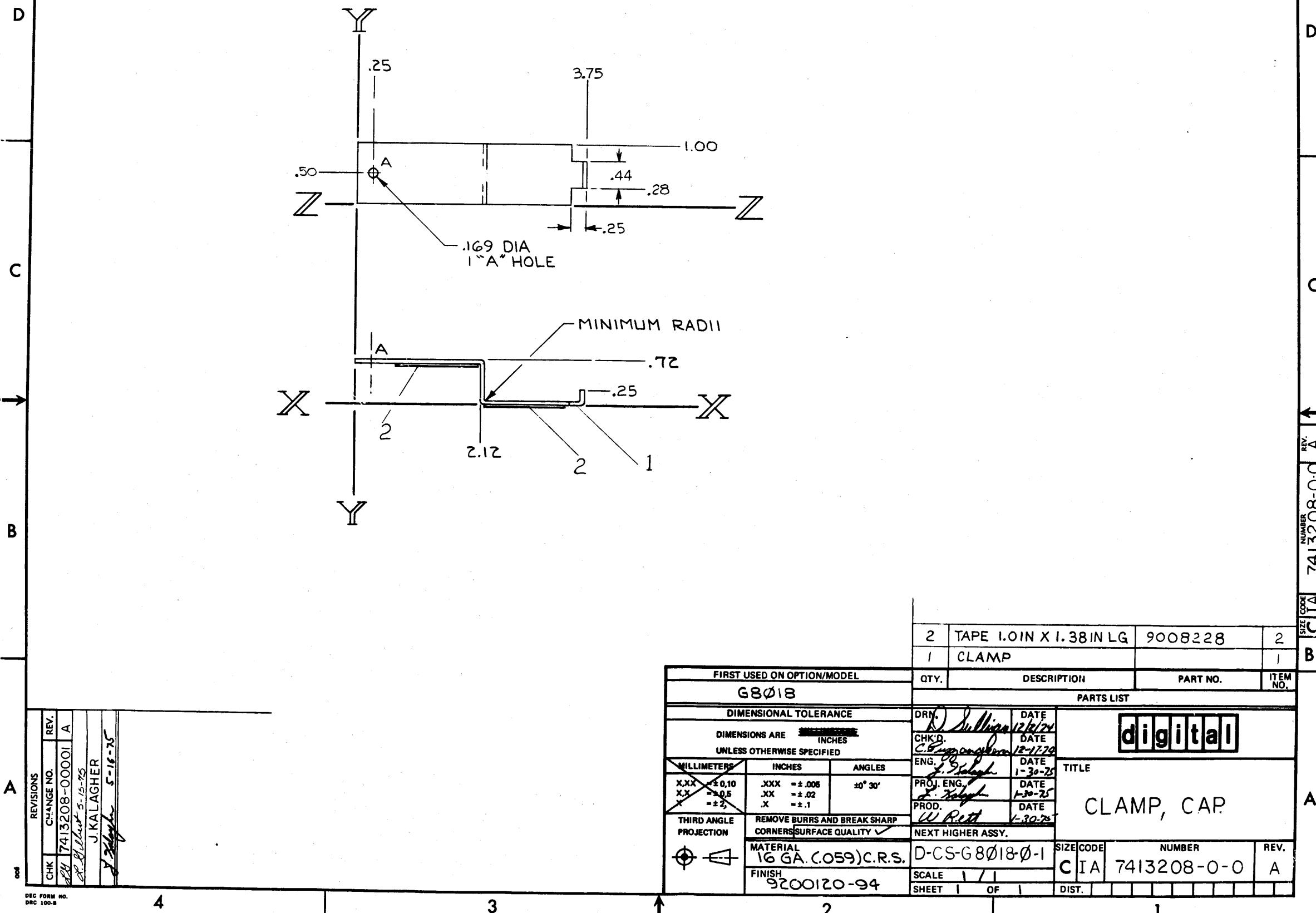
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DO NOT SCALE DRAWING

NOTE

- I. TAPE (ITEM #2) TO BE INSTALLED AFTER FINISH OF CLAMP (ITEM #1).



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G8018
REGULATOR BOARD

ON D.C. OFF
ONLY

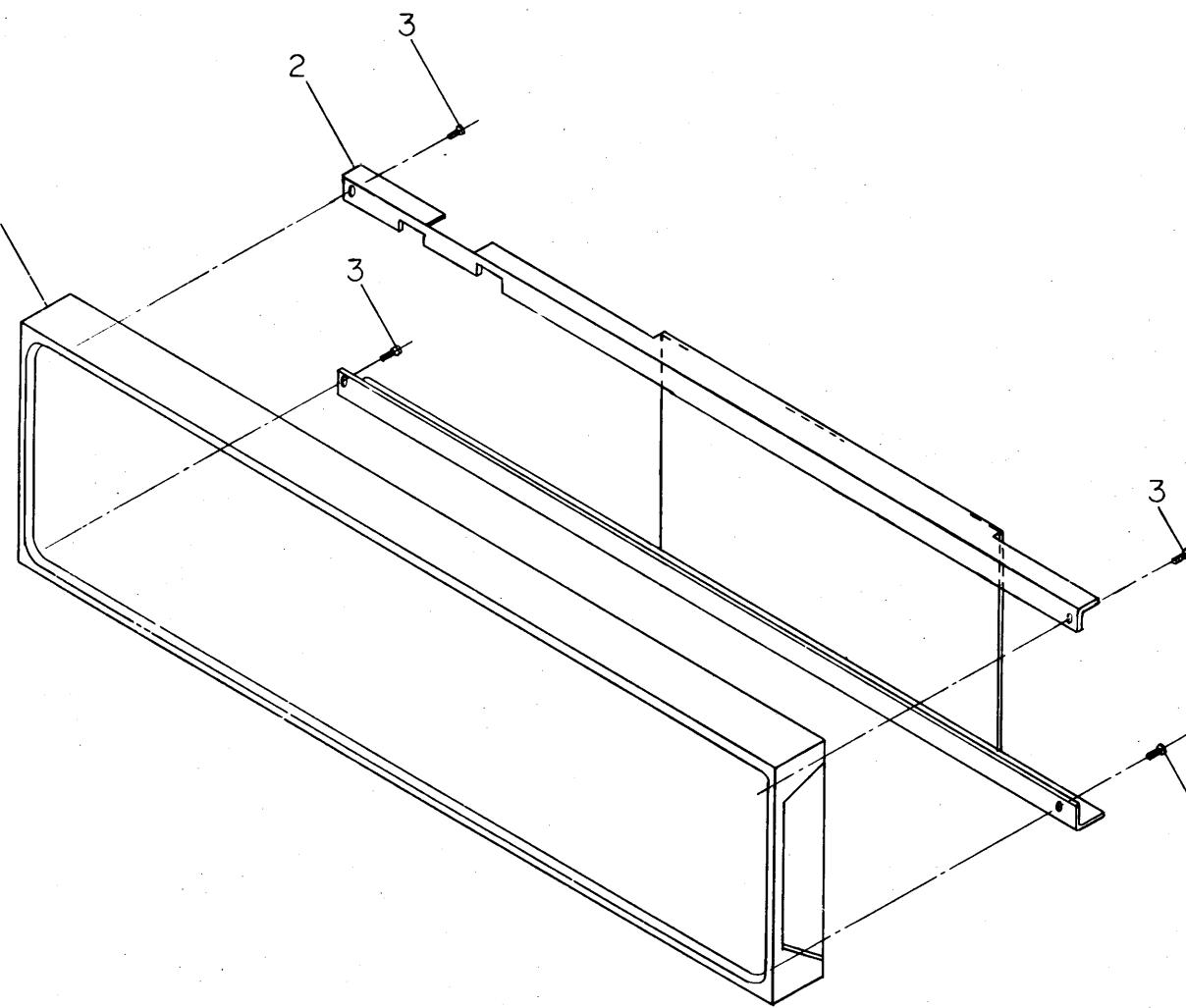
+5V ADJ.
+20V ADJ.
A.C. LOW ADJ.

REVISIONS	CHANGE NO.	REV.

WHT ON CLR		FIRST USED ON		digital	
DRN.	J. Mattson	2-6-75	G 8018	TITLE	
CHK'D		2-7-75	DECAL (G8018)		
ENG.	J. Daugherty	2-17-75			
PROJ. ENG.	J. Daugherty	2-17-75			
PROD.	W. Recht	2-18-75			
NEXT HIGHER ASSY.					
D-CS-G 8018 - 0-1		SIZE	CODE	NUMBER	REV.
SCALE 1/1		A	DC	7413498-0-0	
SHEET 1	OF 1	DIST.			

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2 DAD 7012452-0-0 REV. 1



DESCRIPTION		DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES	
±0° 30'	(CHECK ONE)	OVER	OVER
SURFACE QUALITY IN		TO	TO
MICRONES	MINIMUM	.004	.008
	PREFERRED	.012	.016
		.025	.04
		.003	.01

4 SCR, PHL PAN HD, SELFTAP 5/32X3/8	9006418-01	3
I BRACKET, BEZEL	D-IA-7415707-0-0	2
I H95Φ-P COVER PANEL	D-UA-H95Φ-PB-Φ	1

QUANTITY & VARIATION		FIRST USED ON	
DRN. <i>w Maher</i> 2-27-76	ENG. <i>J. K. Keane</i> 1-1-76	BAB-C	digital
CHK'D <i>M. K. Keane</i> 1-1-76	PROJ. ENG. <i>J. H. Hiltner</i> 1-1-76	TITLE	
PROD. <i>J. H. Hiltner</i> 1-1-76	DO NOT SCALE DWG	5.25 BLANK BEZEL ASSY	
MATERIAL SEE PARTS LIST	NEXT HIGHER ASSY.		
FINISH			
SHEET 1 OF 1	DIST.		

8 L.M. P. 111
REVISIONS
CHANGE NO. REV.
CHK
DEC FORM NO.
DAD 100-C

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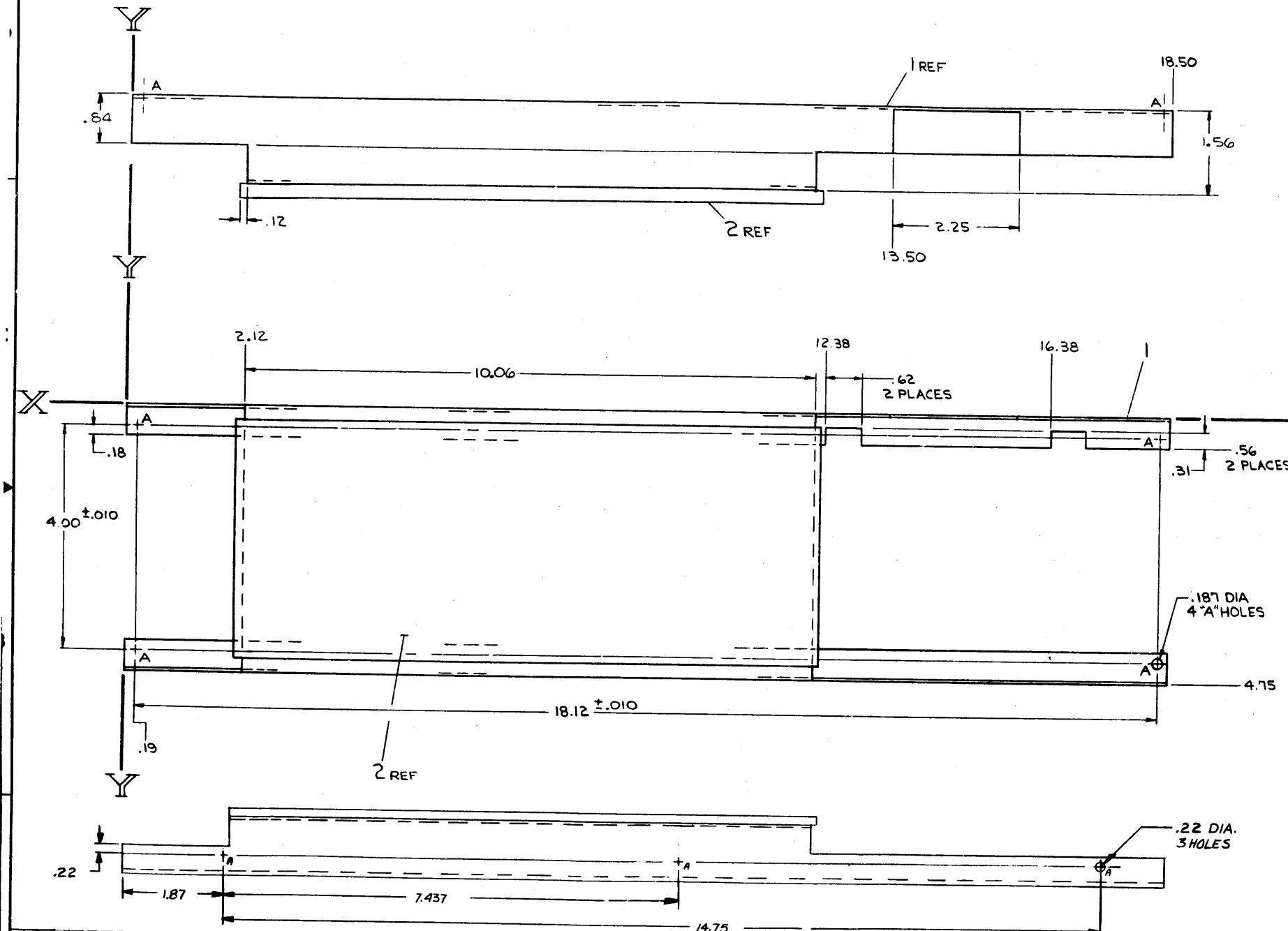
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1

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NOTES:

1. VENDOR IDENTIFICATION MARK
TO BE PLACED ON THIS SURFACE



1	FOAM, ADH. 10.38x4.25x.50THK	9008259-01	2
1	BRACKET		1
DESCRIPTION DWG./PART NO. ITEM NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES	
±0° 30'	(CHECK ONE)	OVER 0	OVER 0.2
SURFACE QUALITY IN	MEDIUM	1.2	1.3
MICRONCHES	PREFERRED	.004	.008
		.012	.016
		.024	.04
		.06	.10
QUANTITY & VARIATION			
DRN. 1/2" SCA. 1/16" 1/16" 1/16"	FIRST USED ON	BAB-C	digitel
CHK'D. 1/2" SCA. 1/16" 1/16" 1/16"	TITLE		
ENG'D. 1/2" SCA. 1/16" 1/16" 1/16"			
REMOVE BURRS AND BREAK SHARP CORNERS			
PROJ. ENGD. 1/2" SCA. 1/16" 1/16" 1/16"			
DO NOT SCALE DWG	NEXT HIGHER ASSY.		
MATERIAL #18 GA (.048) C.R.S.	D-AD-1012452-0-0	SIZE CODE	NUMBER
FINISH 9200120-94	SCALE NONE	DIA	7415707-0-0
		REV.	A

REVISIONS	CHANGE NO.	REV.
CHR	J.A	7415707-0-0-A
STEREOTYPE	3D	1/2
R. KIZINA		1/2
DATE	1/2	1/2

DEC FORM NO. 5110-102 REV. A

8	7	6	5	4	3	2	1
<small>This drawing and specifications, herein, are the property of Digital Equipment Corporation and shall not be reproduced or copied or used in whole or in part or for any other purpose without the written permission of the manufacturer or user of same without written permission.</small>				K	K	2	1
D-UA-H950-P-O							
NUMBER							
SHEET 2 OF 2							
NOTES							
1. USE LATCH MOLDING OVER 1943 MOUNTING PANEL OR EQUIVALENT 2. SEE PARTS LIST FOR VARIATION.							
<i>SIDE VIEW ASSY USING THICK LATCH MOLDING KIT - ITEM 5 -</i>							
<i>SIDE VIEW ASSY USING THIN LATCH - ITEM 2 -</i>							
A							
REVISIONS CHG. CHARGE NO. REV. H950 0001B A G. WHIPPS 10/14/68 H950 0002C B G. WHIPPS 10/14/68 H950 00023 C G. WHIPPS 10/14/68 H950 00024 D G. GRAHAM 5/16/69 G. GRAHAM 5/16/69 H950 00043 E G. GRAHAM 5/16/69 H950 00062 F G. GRAHAM 5/16/69 H950 00063 G H950 00064 H G. GRAHAM 5/16/69 G. GRAHAM 5/16/69 H950 00100 J G. GRAHAM 7-25-73 H950 00108 K G. GRAHAM 8-20-73 H950 00109 L P. DUPE 1-12-78		FIRST USED ON OPTION/MODEL D-UA-H950-P-O QTY. 1 DESCRIPTION PART NO. ITEM NO. PARTS LIST DRAWN BY DATE 9/2/68 CHKD. BY DATE 9-5-68 TOLERANCES DECIMALS FRACTIONS ANGLES $\pm .000$ $\pm 1/64$ $\pm 0^{\circ}30'$ FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS MATERIAL FINISH NEXT HKAHR ASSY D-UA-H950-P-O SIZE CODE NUMBER DUAH950-P-O K SHEET 1 OF 1 DIST. 6 REV. K		B			
C							
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E							
F							
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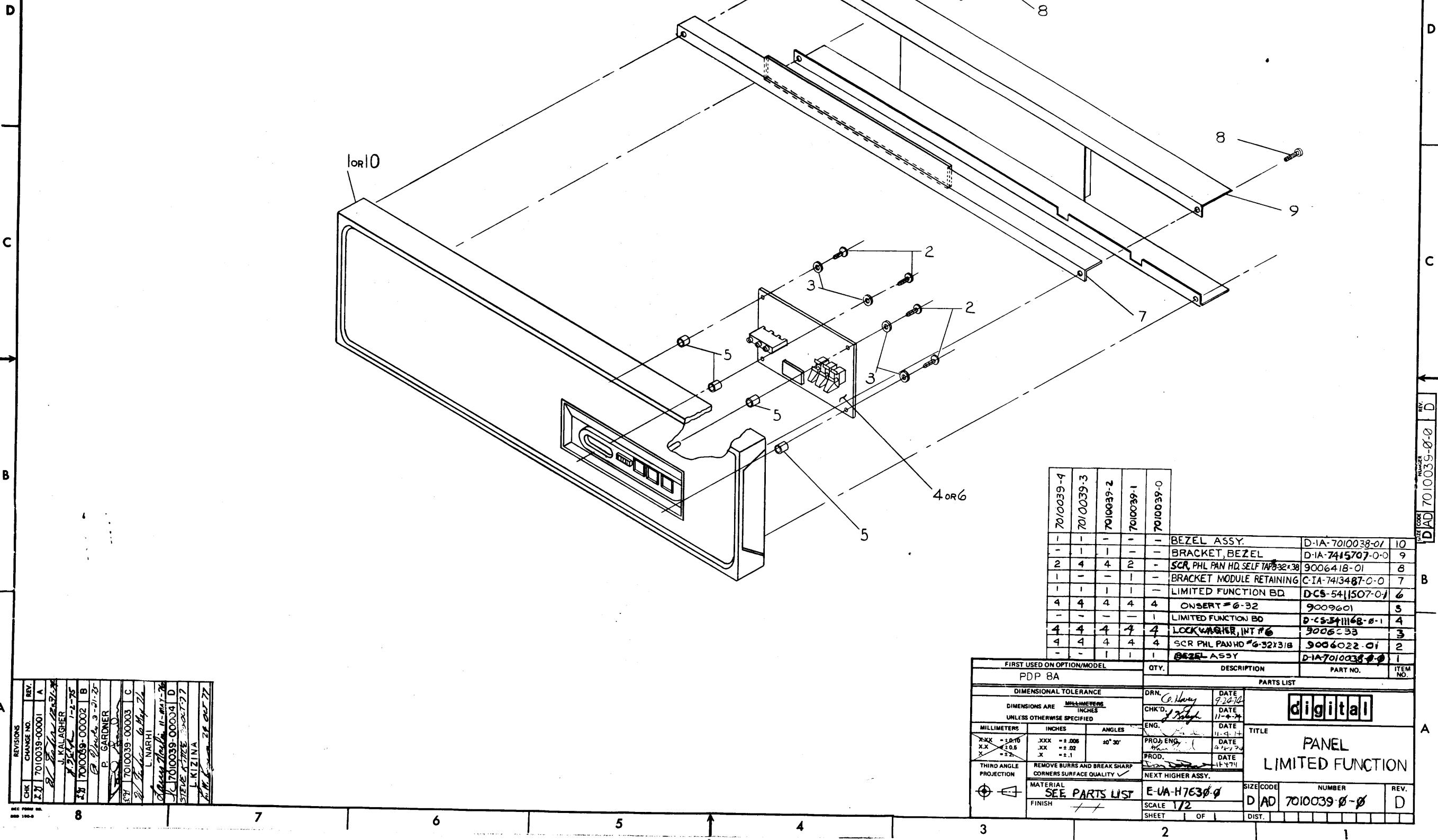
DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY	R. HUTNAK	CHECKED	K. RUSS	SECTION
DATE	9/3/68	DATE	9/4/68	1
ENG	G. GRAHAM	PROD	L. PRENTICE	ISSUED SECT
DATE	9/12/68	DATE	9/12/68	1

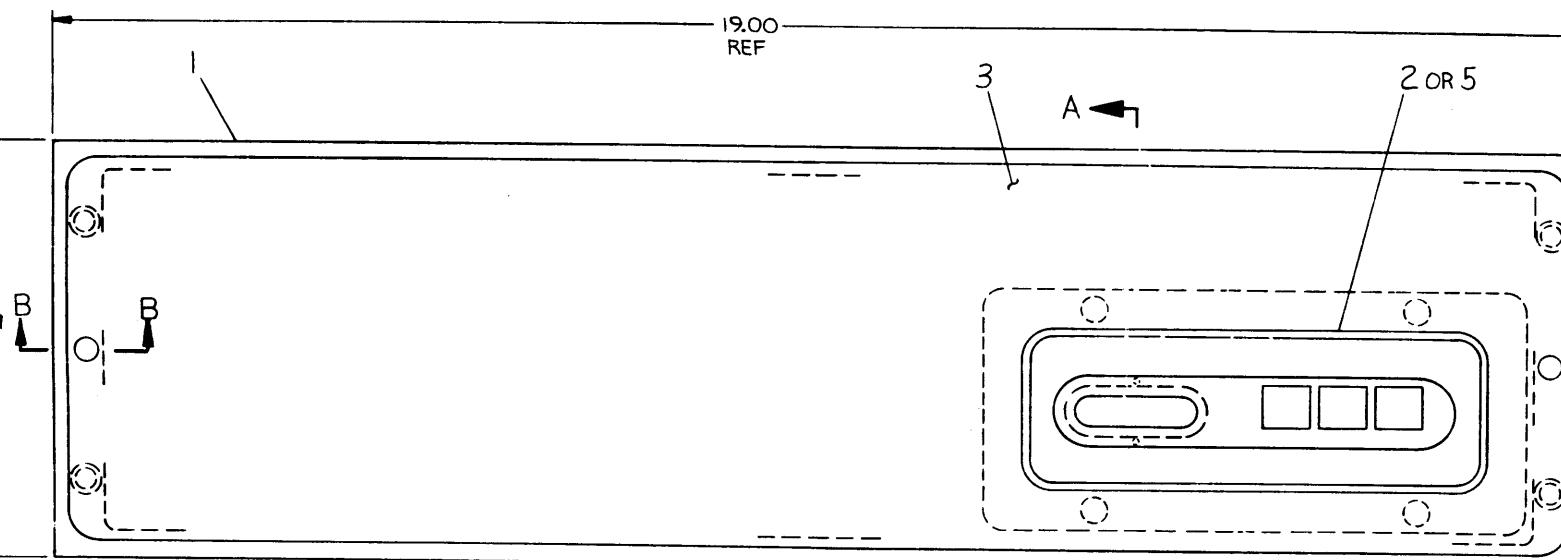
TITLE COVER PANEL (5 1/4)	ASSY NO. D-UA-H950-P-0	SIZE A	CODE PL	NUMBER H950-P-0			REV. K	ECO NO. H950- 00128
	SHEET 1 OF 1	DIST.	G					

DEC FORM NO.
DRA 110

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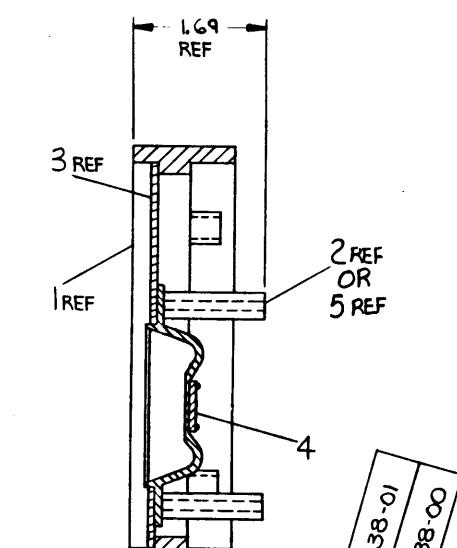
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1 REF
3 REF
SEE NOTE 2
SECTION "B"-B"

REVISIONS		REV.	CHG NO.	CHG.
		A	D-1010038-0-0	1
		B	D-1010038-0-0	2
		C	D-1010038-0-0	3
		D	D-1010038-0-0	4

8 7 6 5 4 3 2 1



SECTION A-A

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.				
PDP8 A									
PARTS LIST									
2	Z	SCREW SOC.HD 10-32X.38	9000042-07	6					
1	-	FRAME	D-MD-7411945-0-0	5					
1	I	WINDOW	B-MD-7411744-0-0	4					
1	I	INLAY, REWORK	D-MD-7411692-0-0	3					
1	I	FRAME	D-MD-7411945-0-0	2					
1	I	5 1/4 SNAP ON BEZEL	D-PS-1209226-0-0	1					
DIMENSIONAL TOLERANCE									
DIMENSIONS ARE MILLIMETERS INCHES									
UNLESS OTHERWISE SPECIFIED									
MMILLIMETERS	INCHES	ANGLES	DRN	DATE					
XXX ± .010	.000-.002	45° 30'	S. Roberts	6-16-74					
XX ± .015	.000-.002		CHK'D	DATE					
X ± .02	.000-.002	X = .1	ENG	10-7-74					
			PROJ. ENG	DATE					
			PROD.	DATE					
			Remove burrs and break sharp corners surface quality ✓						
			NEXT HIGHER ASSY.						
			See parts list						
			FINISH	H					
TITLE									
BEZEL ASSY									
SIZE CODE NUMBER									
DIA 7010038-0-0 REV. B									
SHEET 1 OF 1 DIST. 1									

- NOTES:
1. ULTRA SONIC WELDING ASSY. PROCEDURE:
WELD FRAME (ITEM#2) TO INLAY, REWORK (ITEM#3), THEN WELD INLAY, REWORK (ITEM#3) TO BEZEL (ITEM#1), THEN WELD WINDOW (ITEM#4) TO FRAME (ITEM#3).
 2. ADD ITEM 6 BEFORE ULTRA-SONICALLY BONDING INLAY.

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5211 CODE 7411692-0-0 REV. 1
NUMBER DMD 7411692-0-0

NOTES:

- I. MAKE FROM DEC. PART NO. 1209176-1

D

D

C

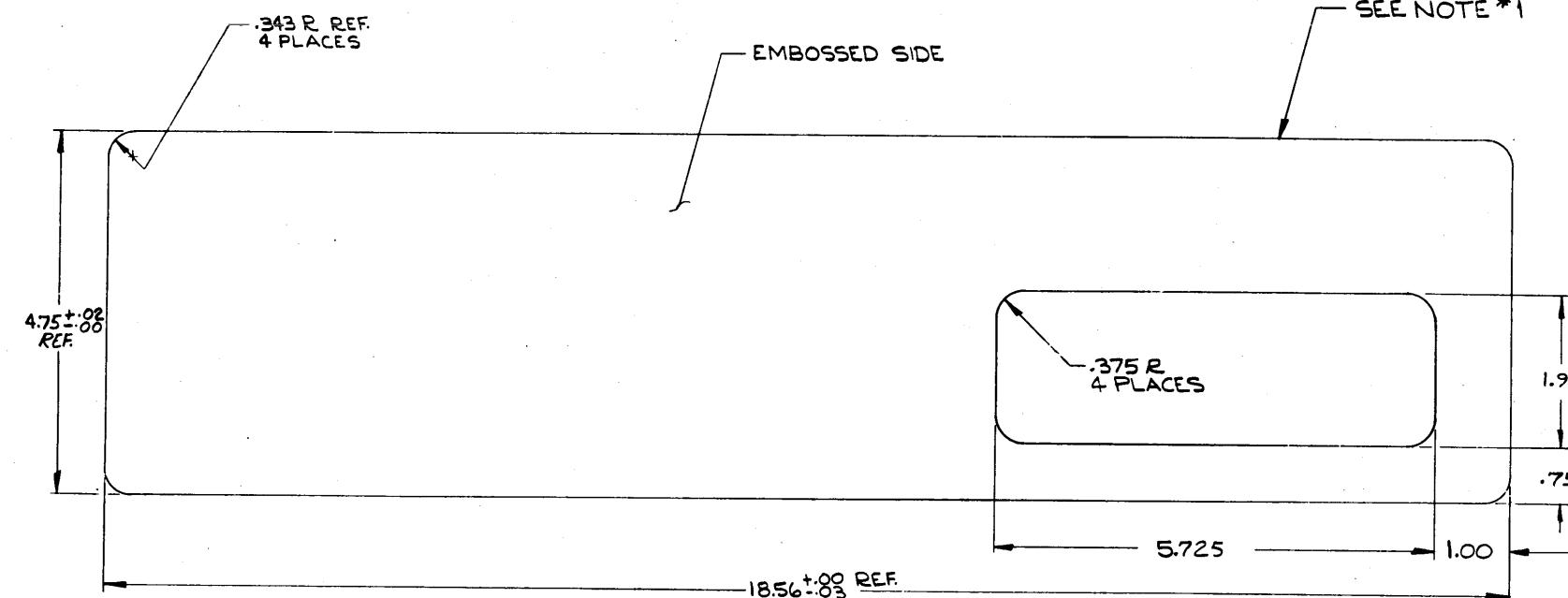
C

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B

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A



FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST					
BRN	DATE 4-12-74	1	DIGITAL		
CJKD	DATE 8-20-74				
ENG	DATE 8-2-74				
PROL ENG	DATE 8-2-74				
PROD	DATE 8-2-74				
TITLE					
INLAY, REWORK					
MILLIMETERS	INCHES	ANGLES			
XXX = ±0.10	XXX = ±.005	40° 30'			
XX = ±0.5	XX = ±.02				
X = ±2	X = ±.1				
THIRD ANGLE PROJECTION REMOVE BURRS AND CREAK SHARP CORNERS SURFACE QUALITY ✓ NEXT HIGHER ASSY.					
MATERIAL SEE NOTE #1					
FINISH //					
SCALE 1/1	SIZE CODE	NUMBER			
SHEET 1 OF 1	DMD	7411692 0-0	REV.		

REVISIONS	CHANGE NO.	REV.
000	000	000

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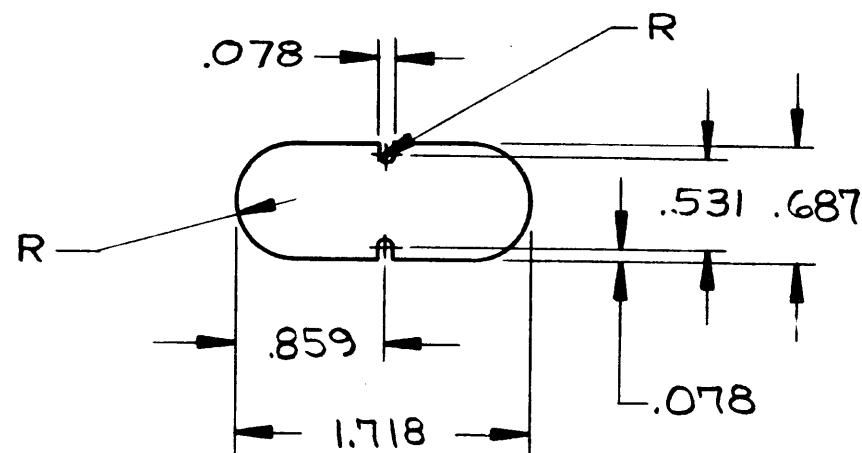
3

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APPROVED VENDORS

DURALITH CORP.

B

B

→

←

A

A

REVISIONS		
CHK	CHANGE NO.	REV.
98	7411744-00001	A
99	7411744-00002	B
00	J. KALAGHER	7-25-74
01	J. KALAGHER	7-25-75
02	J. Steury	7-25-75
03	J. Steury	7-24-75
04	J. Steury	7-24-75
05	J. Steury	7-24-75

DEC 16-325-1080-1A-R373
DRB 100

4

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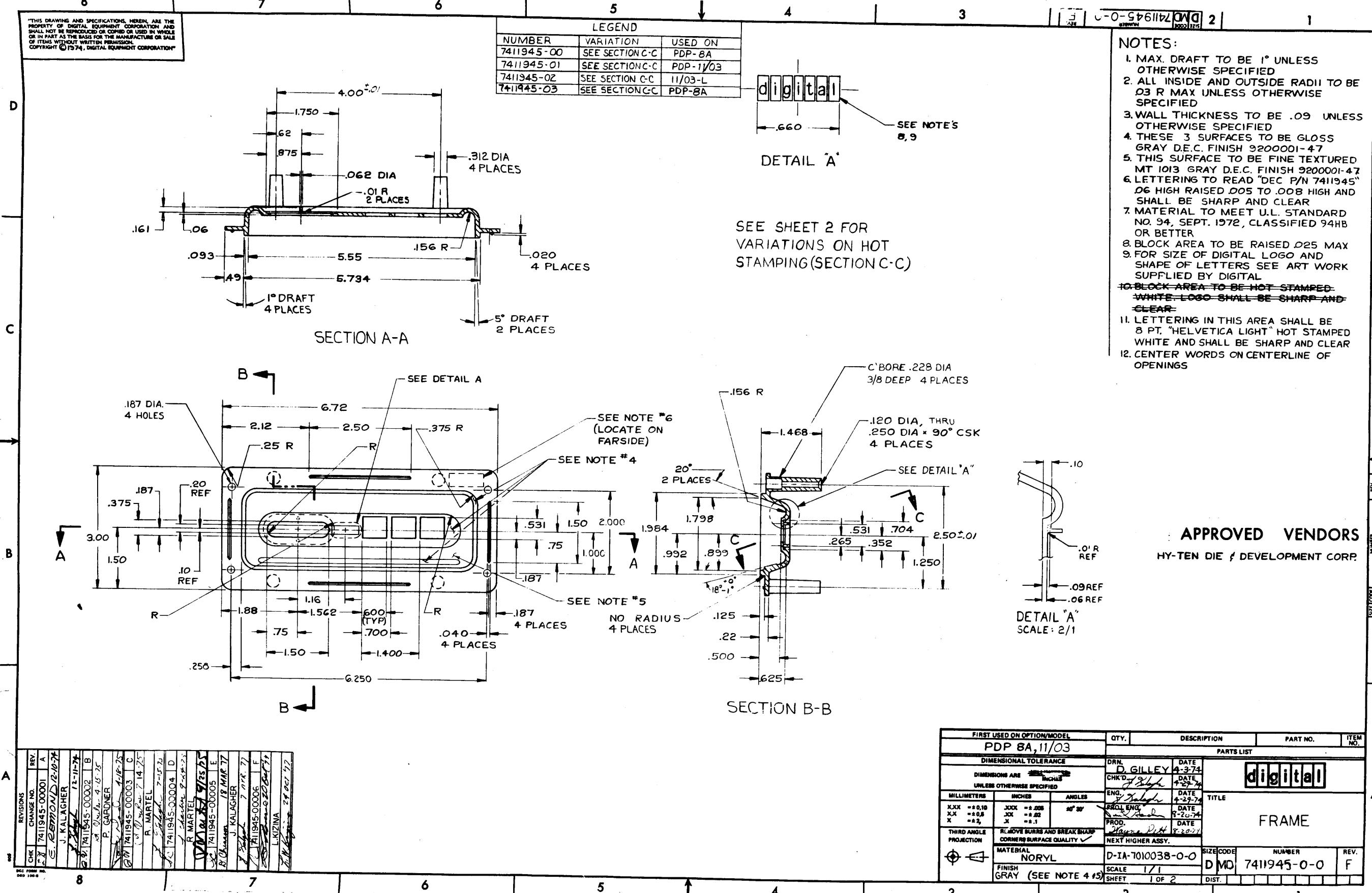
2

1

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
PDP8-A				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN.	DATE		
TOLERANCES	D. GILLEY	4-4-74		
DECIMALS ANGLES	CHK'D S. Roberts	DATE 9-17-74		
.xxx = .005 ±0° 30'	ENG.	DATE 9-17-74		
.xx = .02	PROL. ENG.	DATE 9-17-74		
.x = .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	PROD. Wayne Rett	DATE 9-17-74		
MATERIAL DURALAR N .060 THK 105135 RED SATIN "MC"	NEXT HIGHER ASSY. D-AD-7010039-0-0			
FINISH 9200001-69	SCALE 1/1	SHEET 1 OF 1	SIZE CODE BMD	NUMBER 7411744-0-0
				REV. B
				DIST.

digital EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

WINDOW



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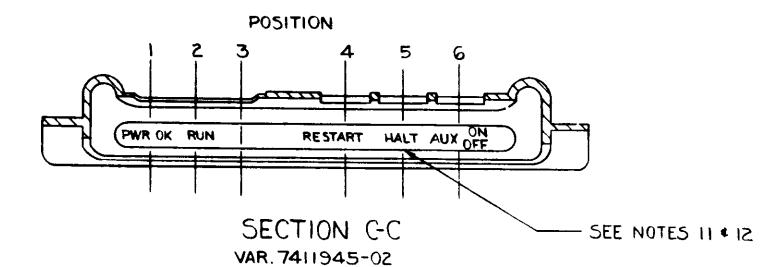
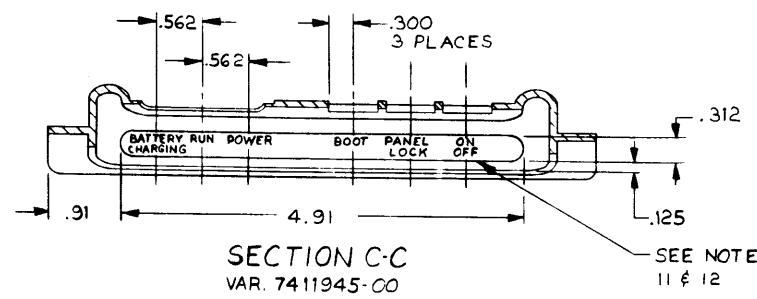
2

D

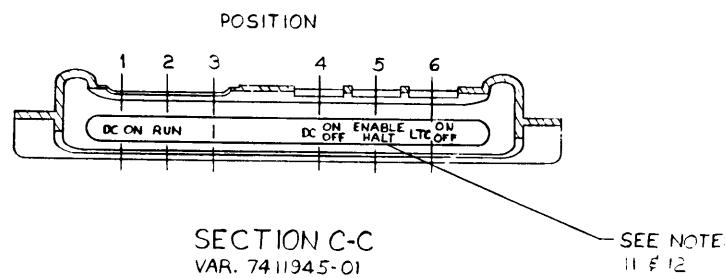
MD

7411945-0-0

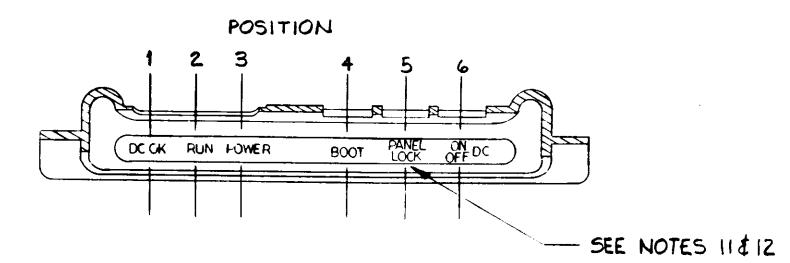
A
F
E
D
C
B
A



ALL DIMENSIONS SAME AS
VAR-0 NO MARKING IN
POSITION 3.



ALL DIMENSIONS SAME AS
VAR-0 NO MARKING IN
POSITION 3



ALL DIMENSIONS SAME AS
VAR. -0

REV.
CHG. NO.
CRK

DEC FORM NO.
DRAFT 100-C

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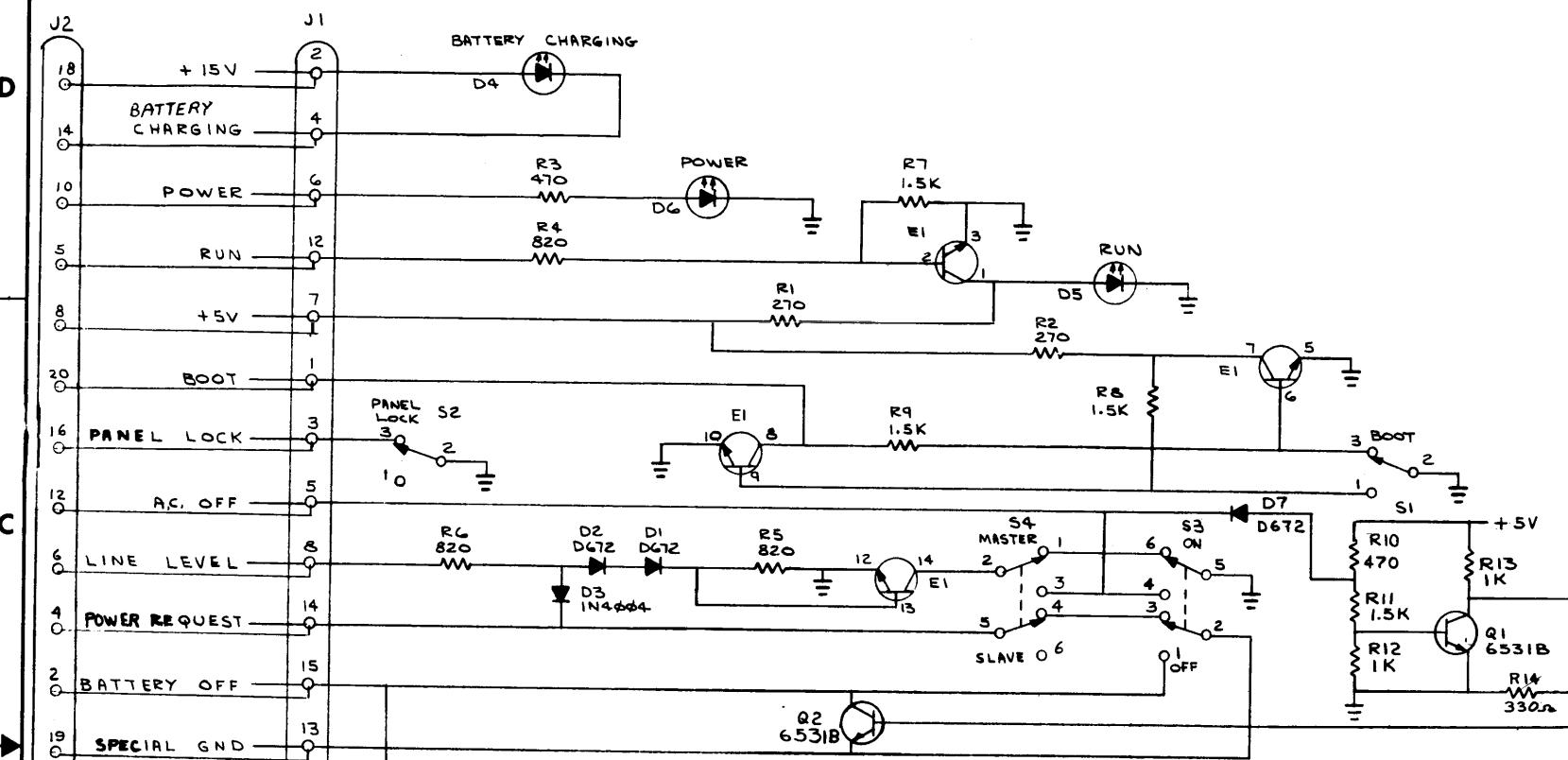
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	DESCRIPTION		DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				
ANGLES ±0° 30'	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES		
		OVER TO .2	OVER TO .12	OVER TO .45
		OVER TO .12	OVER TO .45	OVER TO .80
SURFACE QUALITY IN	(CHECK ONE)	OVER TO .45	OVER TO .12	OVER TO .80
MEDIUM		±.004	±.008	±.012
MICROINCHES	PREFERRED	±.012	±.016	±.025
DRN. D. GILLEY	4-3-74	FIRST USED ON PDP 8A/1103 digital		
CHK'D J. KALAGHER	4-29-74	TITLE		
ENG. J. KALAGHER	4-29-74			
PROJ. ENG. P. CALIGARI	8-20-74			
PROD. W. PETT	8-20-74			
DO NOT SCALE DWG	NEXT HIGHER ASSY.			
MATERIAL NORYL	D-1A-741003800	SIZE D	CODE MD	NUMBER 741194500
FINISH GRAY (SEE NOTE 4-5)	SCALE 1/1	SHEET 2	OF 2	REV. F
		DIST.		

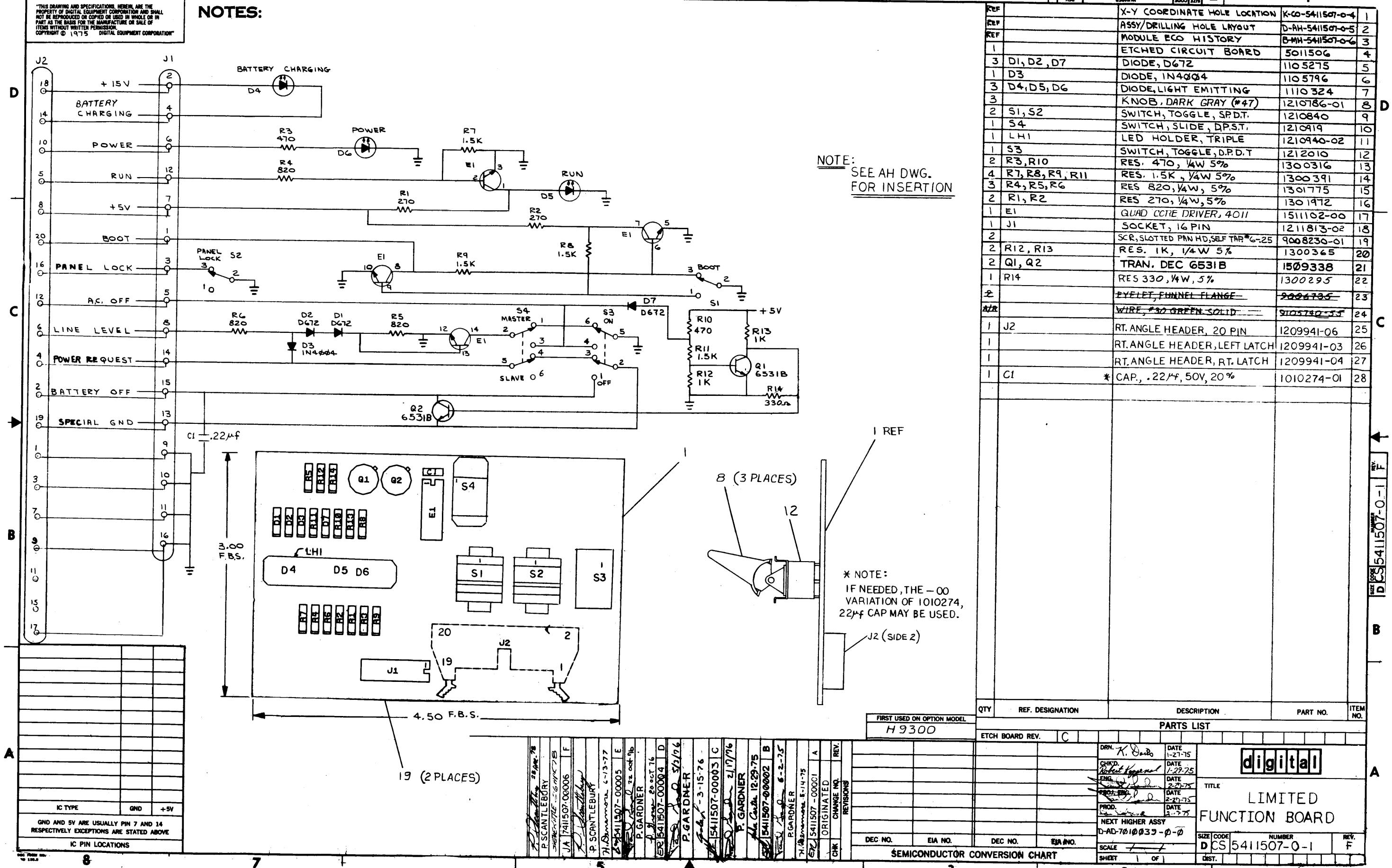
FRAME

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NOTES:



NOTE:
SEE AH DWG.
FOR INSERTION



digital
LIMITED
FUNCTION BOARD

SIZE CODE DCS 5411507-0-1 NUMBER 5411507-0-1 REV. F

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8 7 6 5 4 3 2 1

12 DAH5411507-0-5 E

I

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM No.
3	D11, D12, D17	DIODE, D672	1105257	1
1	D13	DIODE, 1N4004	1105796	2
2	R17, R24	RESISTOR, 470, 1/4W, 5%	1300316	3
4	R21, R22, R23, R25,	RESISTOR, 1.5K, 1/4W, 5%	1300391	4
3	R18, R19, R20,	RESISTOR, 820, 1/4W, 5%	1301775	5
2	R15, R16	RESISTOR, 270, 1/4W, 5%	1301972	6
2	R26, R27	RESISTOR, 1K, 1/4W, 5%	1300365	7
1	R28	RESISTOR, 330, 1/4W, 5%	1300295	8
1	E2	IC QUAD CORE DRIVER, 4011	1511102-00	9

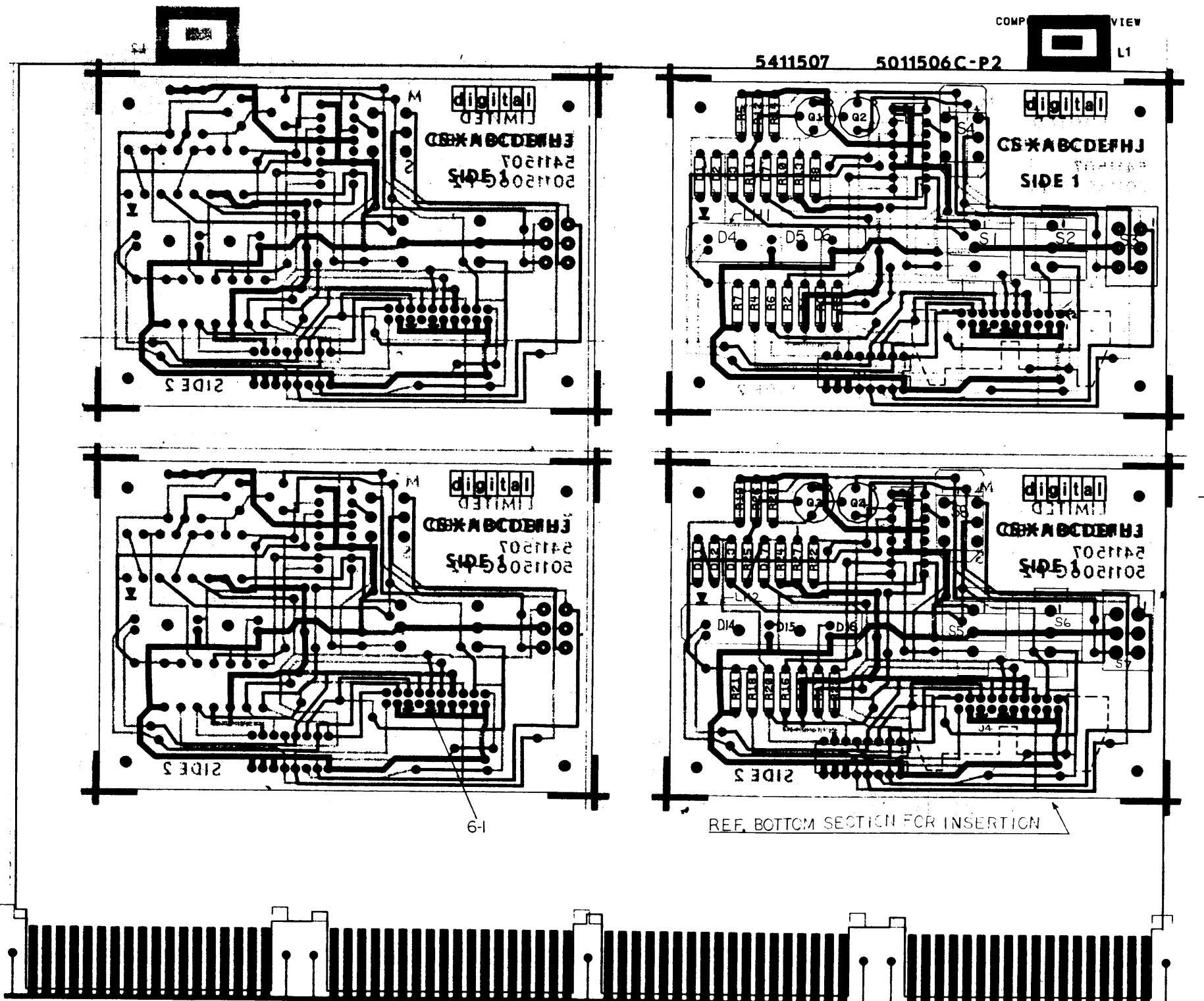
NOTE: FOR INSERTION REF. ONLY.

REWORK INSTRUCTIONS

E.C.O. #6

ETCH CUTS SIDE 1:

6-1 CUT GROUND TO PINS 11 & 15 OF J2 (20PIN BERG)



NOTES:

CHG CHANGE NO	REV
5	E
1/13/77	
P.GALE	L1
JR	SIDE 1
PSGNT LEBUR	Z
	1/13/77

CHG CHANGE NO	REV
5	E
1/13/77	
P.GALE	L1
JR	SIDE 1
PSGNT LEBUR	Z
	1/13/77

HOLE DATA

SYMBOL	+	X	*	Z	W	A	B	*
FIN HOLE SIZE	.042	.172	.073					
PLATED	✓	✓						
NON PLATED	✓							
QTY.	276	12	36					
OFF GRD HLE	1							
DRILL SIZE								

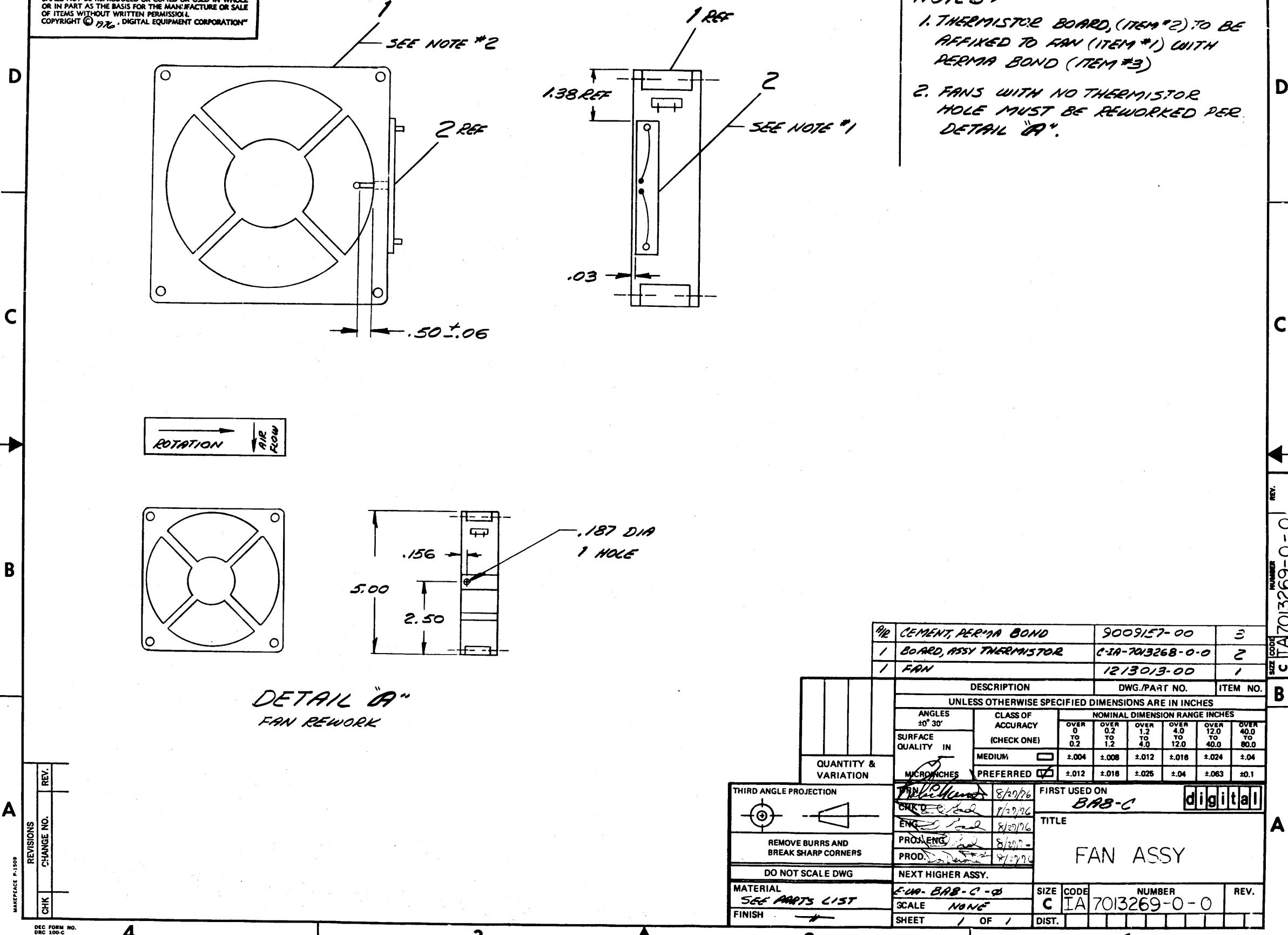
BOARD FABRICATION INFORMATION

PANEL SIZE	8.5 X 10.5
PANEL DATA DWG. #	
PANEL MAT'L.	.052 THK.
QTY. OF LAYERS	2
COPPER THICKNESS	1OZ
PTH. X	PRINT AND ETCH
MODULE INSERTED 100 TIMES OR MORE?	

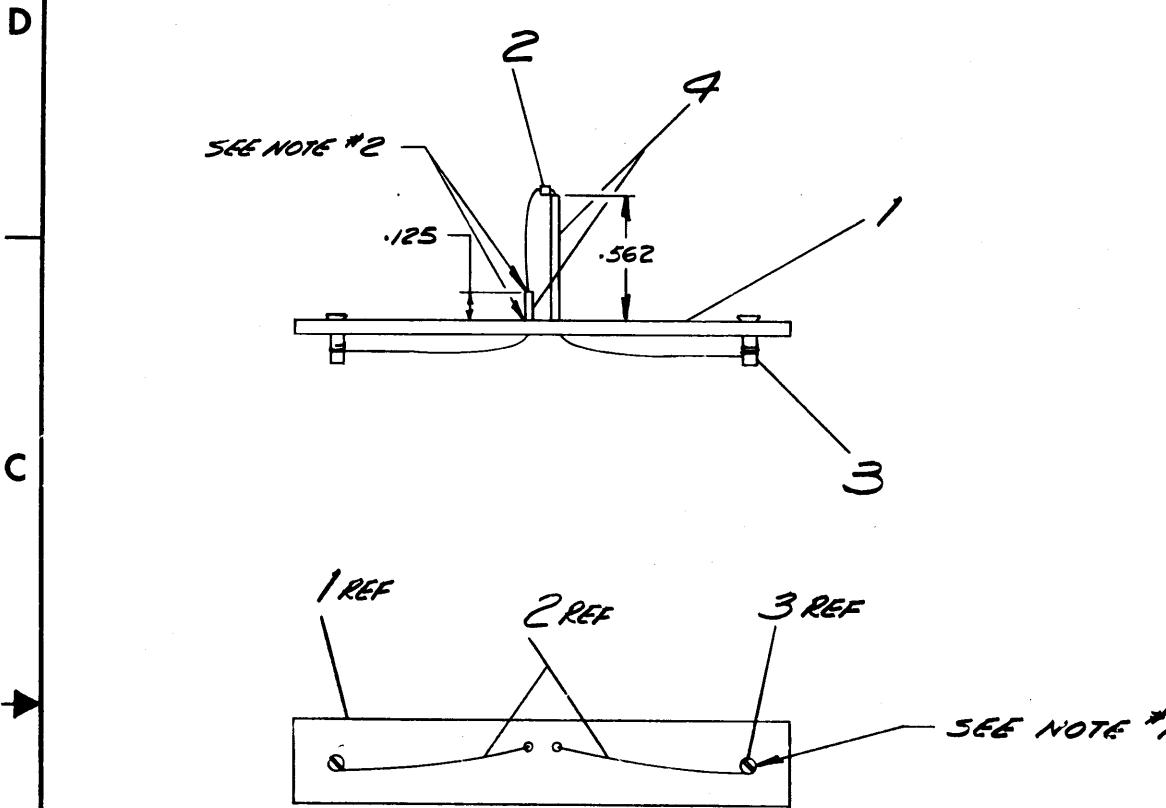
SIGNATURES

DRN. H. S. [Signature]	DATE	6-13-77
CHK'D. [Signature]		6-13-77
ENG. [Signature]		6-13-77
PROJ. ENG. [Signature]		6-13-77
PROD. [Signature]		
SCALE	SIZE CODE	NUMBER
SHT. 1 OF 1	D	5411507-0-5
NEXT HIGHER ASSY. REV F		
ETCH REV C		

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BOTTOM VIEW

REVISIONS	
CHK	CHANGE NO.
MAKESPACE P-1809	

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NOTES:

1. WRAP LEADS OF THERMISTOR AROUND SPLIT LUG & SOLDER. (2 PLACES)
2. AFFIX TUBING (ITEM #4) TO THERMISTOR LEAD AND BOARD (ITEM #1) USING PERMA BOND (ITEM #5) SHORT TUBING ONLY

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REF	CEMENT, PERMA BOND	9009157-00	5
4	TUBING #22 AWG (BLK)	9107256-00	4
2	LUG, SPLIT	9006735-00	3
1	THERMISTOR	1313199-00	2
1	BOARD, THERMISTOR	C-IA-7A17535-0-0	1

QUANTITY & VARIATION	DESCRIPTION		DWG./PART NO. ITEM NO.					
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES							
	ANGLES $\pm 0^\circ 30'$	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES					
	SURFACE QUALITY IN MEDIUM		OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO E.O.
	MICRONCHES PREFERRED		$\pm .004$	$\pm .008$	$\pm .012$	$\pm .016$	$\pm .024$	$\pm .04$
			$\pm .012$	$\pm .016$	$\pm .025$	$\pm .04$	$\pm .063$	$\pm .1$

THIRD ANGLE PROJECTION	FIRST USED ON B-AB-C	digital
TITLE BOARD ASSY, THERMISTOR		
MATERIAL SEE PARTS LIST		
SCALE 2/1		
FINISH		
SHEET 1 OF 1	DIST.	
SIZE C	CODE IA	NUMBER 7013268-0-0
REV.		

DEC FORM NO.
DRC 100-C

4

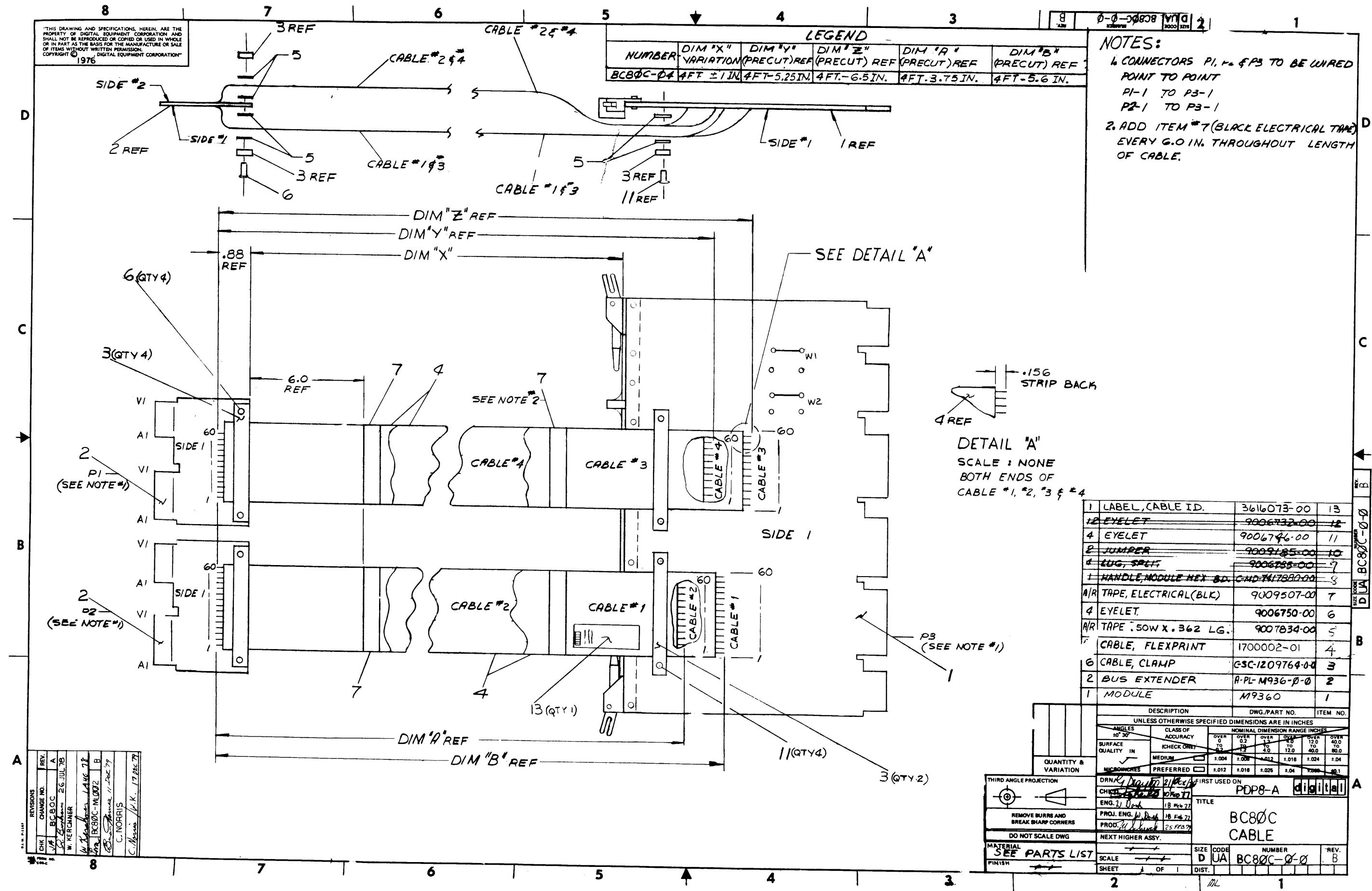
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<p>Front View Dimensions:</p> <ul style="list-style-type: none"> Total width: .225 Top horizontal slot width: .188 Bottom horizontal slot width: .106 Left side height: .38 Left side width: .19 Right side height: .12 Right side width: .12 Top edge height: .19 Bottom edge height: .19 Bottom edge width: .06 REF Two "A" holes: .073 DIA Two "B" holes: .031 DIA <p>Side View:</p> <p>.06 REF</p>	<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>CHK</td> <td>CHANGE NO.</td> <td>REV.</td> </tr> </table> <p>MAKESPACE P-1509</p>	CHK	CHANGE NO.	REV.	<p>4 3 2 1</p> <p>D C B A</p> <p>D C B A</p> <p>B A</p> <p>A</p> <p>B</p> <p>C</p> <p>D</p>																																								
CHK	CHANGE NO.	REV.																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th colspan="2">DESCRIPTION</th> <th colspan="2">DWG./PART NO.</th> <th>ITEM NO.</th> </tr> <tr> <th colspan="2"></th> <th colspan="4">UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</th> <th></th> </tr> <tr> <th rowspan="2">ANGLES $\pm 0^\circ 30'$</th> <th rowspan="2">CLASS OF ACCURACY (CHECK ONE)</th> <th colspan="4">NOMINAL DIMENSION RANGE INCHES</th> <th></th> </tr> <tr> <th>OVER TO 0.2</th> <th>OVER TO 1.2</th> <th>OVER TO 4.0</th> <th>OVER TO 12.0</th> <th>OVER TO 40.0</th> <th>OVER TO 80.0</th> </tr> </thead> <tbody> <tr> <td>SURFACE QUALITY IN MICRONICHES</td> <td>MEDIUM</td> <td>±.004</td> <td>±.008</td> <td>±.012</td> <td>±.016</td> <td>±.024</td> <td>±.04</td> </tr> <tr> <td>PREFERRED <input checked="" type="checkbox"/></td> <td></td> <td>±.012</td> <td>±.016</td> <td>±.025</td> <td>±.04</td> <td>±.063</td> <td>±.1</td> </tr> </tbody> </table>					DESCRIPTION		DWG./PART NO.		ITEM NO.			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					ANGLES $\pm 0^\circ 30'$	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES					OVER TO 0.2	OVER TO 1.2	OVER TO 4.0	OVER TO 12.0	OVER TO 40.0	OVER TO 80.0	SURFACE QUALITY IN MICRONICHES	MEDIUM	±.004	±.008	±.012	±.016	±.024	±.04	PREFERRED <input checked="" type="checkbox"/>		±.012	±.016	±.025	±.04	±.063	±.1
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PREFERRED <input checked="" type="checkbox"/>		±.012	±.016	±.025	±.04	±.063	±.1																																						
<p>THIRD ANGLE PROJECTION</p> <p>REMOVE BURRS AND BREAK SHARP CORNERS</p> <p>DO NOT SCALE DWG</p> <p>MATERIAL: .06 THK G10 BOARD</p> <p>FINISH: —</p> <p>FIRST USED ON: 8118-C digital</p> <p>TITLE: BOARD, THERMISTOR</p> <p>SIZE CODE: C MD NUMBER: 7417535-0-0 REV: 4</p>																																													



8 7 6 5 4 3 2 1

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LEGEND

PART NUMBER	VARIATION	USED ON	DIM X	DIM Y (PRECUT) REF.
BC08H-3F	PDP 8/E	3FT 6IN ±1IN	3FT 7.5IN	
BC08H-4F	PDP 8/M	4FT 6IN ±1IN	4FT 7.5IN	
BC08H-OF	KIT 8A	6IN ±.5IN	7.5IN	
BC08H-IF	BABC	1FT 6IN ±.5IN	1FT 7.5IN	
WARNING SEE NOTE #3				

NOTES:

- CONNECTORS P1 & P2 ARE TO BE WIRED POINT TO POINT (P1-A1 TO P2-A2 TO P1-B1 TO P2-B2 ETC.).
- ADD ITEM "7" (BLACK ELECTRICAL TAPE) EVERY 6IN. FOR THE LENGTH OF THE CABLE.
- THIS CABLE MAY NOT BE BUILT IN ANY LENGTH LONGER THAN THE BC08H-4F.

WIRE LAYOUT

ITEMS LIST

ITEM NO.	DESCRIPTION	PART NO.
1	TAPE SCOTCH 33BLK ELECT	7
2	FLEXPRINT CABLE	6
3	CABLE CLAMP	5
4	TAPE #4032 50Wx3.62 LG	4
5	EYELET GS-4-II STIMPSON	3
6	CABLE CONNECTOR M 937	2
7	CABLE CONNECTOR M 936	1

FIRST USED ON OPTION/MODEL
PDP8E

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES

TOLERANCES

DECIMALS

XXX = ± .005
XX = ± .02
X = ± .1

DEGREES

DECIMALS DECIMALS ANGLES ± 0°
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL

FINISH

DRN. GIANOULIS DATE 9-14-70
CHKA DAMERAUK DATE 9-16-70
ENG P GARDNER DATE 9-16-70
PROJ. ENG P GARDNER DATE 9-16-70
PCD W MILLER DATE 9-16-70

EQUIPMENT CORPORATION
MAYNARD MASSACHUSETTS

TITLE
BC08H CABLE

PARTS LIST

ITEM NO.	DESCRIPTION	PART NO.
1	BC08H-00001	D
2	BC08H-00002	B
3	BC08H-00003	C
4	BC08H-00004	D

REVISIONS

K	CHANGE NO.	REV
1	BC08H-00001	A
2	REvised & REDRAWN	
3	E. ALLEN 8-23-73	
4	P. GARDNER 8-31-73	
5	W. DASH 11-12-73	
6	W. DASH 11-12-73	
7	W. DASH 11-12-73	
8	W. DASH 11-12-73	

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WIRE TABLE

ITEM NO.	DESCRIPTION		FROM		TO	
	AWG	COLOR	CONNECTION	WITH	CONNECTION	WITH
3	22	RED	P1-1	2	P2-1	2
3	22	BLK.	P1-2	2	P2-2	2
3	22	GRN	P1-3	2	P2-3	2

LEGEND

NUMBER	DIM'X' VARIATION	DIM'Y'(PRECUT) REF
7008288-3F	3FT. 6IN ± 1IN.	3FT. 6.8IN ± 1IN.
7008288-8F	8FT. 6IN ± 2IN	8FT. 6.8IN ± 2IN.
7008288-06	6FT. ± 2IN.	6FT. 0.8IN ± 2IN.
7008288-12	12FT. ± 3IN.	12FT. 0.8IN ± 3IN.
7008288-05	5FT. ± 1IN.	5FT. 0.8IN ± 2IN.
7008288-10	10FT. ± 2IN.	10FT. 0.8IN ± 3IN.
7008288-15	15FT. ± 3IN.	15FT. 0.8IN ± 3IN.
7008288-08	8FT. ± 2IN.	8FT. 0.8IN ± 2IN.
7008288-30	30FT. ± 7IN.	30FT. 0.8IN ± 7IN.
7008288-40	40FT. ± 10IN.	40FT. 0.8IN ± 10IN
7008288-25	25FT. ± 10IN	25FT. 0.8IN ± 10IN

NOTES

THE REMAINING BLK WIRE IS TO BE CUT BACK AT JACKET (BOTH ENDS.)

D

D

C

C

B

B

A

A

CHK	REVISIONS	CHANGE NO.	REV.
YB	7008288-000001	A	
	Mr. Tamm 10-1-67-72		
R. BURTON			
ZB	7008288-00002	B	
G. O'Dell 8-5-74			
D. LEWIS			
ZB	7008288-00003	C	
G. O'Dell 3-27-75			
B. MINOR			
ZB	7008288-00004	D	
G. O'Dell 6-10-75			
J. PROVIDENT			
ZB	7008288-00005	E	
G. O'Dell 3-MAR-76			
F. DOLL			
ZB	7008288-00006	F	
G. O'Dell 22-APR-76			
J. MCINTYRE			
ZB	7012401-00003	H	
G. O'Dell 23-May-77			
I. MORRIS			
ZB	7008288-ML0071	J	
M. Morris 24-MAY-77			
ZB	7008288-ML0072	K	
M. Morris 25-JUN-77			
CASTELLANOS			
ZB	7008288-ML0073	L	
G. O'Dell 26-JUN-77			

DEC FORM NO.
DRC 100

4

3

2

1

ML

FIRST USED ON OPTION/MODEL	
PDP/11	
UNLESS OTHERWISE SPECIFIED	
UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	
TOLERANCES	
DECIMALS	FRACTIONAL
± .005	± 0.005
± .005	± 0.005
± .005	± 0.005
FINAL SURFACE QUALITY ✓	REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL SEE PARTS LIST	
FINISH	

SIZE CODE	NUMBER	REV.
CIA	7008288-0-0	J

DRN.	DATE
8/Planer	3/20/71
CHK'D	3-31-71
ENG	CKB 1-21
PROJ. ENG.	CKB 1-21
PROD.	CKB 1-21

EQUIPMENT CORPORATION
digital MAYNARD, MASSACHUSETTS

TITLE
CABLE ASSY
D-U-A-R-KΦ2-0-Φ

SCALE 11
SHEET 1 OF 1 DIST. G

4

3

2

1

WIRE TABLE							
ITEM NO.	DESCRIPTION		FROM		TO		REMARKS
	AWG	COLOR	CONN	WITH	CONN	WITH	
5	22	BLK	P1-1	2	P1-2	2	
5	22	BLK	P2-2	2	P2-3	2	
6	22	RED	P1-3	2	J1-3	4	
7	22	GRN	P2-1	2	J1-1	4	

NOTES:

1. INSTALL "DECAL" (ITEM #8) ON "3 PIN HOUSING" (ITEM #1) AS SHOWN.

LEGEND

NUMBER	DIM "X" VARIATION	DIM "Y" (PRECUT) REF
7013953-0E	5.5 IN. $\pm .5$ IN	6 IN $\pm .5$ IN

ITEM LIST

NUMBER	DESCRIPTION	DWG./PART NO.	ITEM NO.
1	POWER HARNESS DECAL	A-DC-7409872-20	8
AIR WIRE, 22 AWG STRD (GRN)	9107350-55	7	
AIR WIRE, 22 AWG STRD (RED)	9107350-22	6	
AIR WIRE, 22 AWG STRD (BLK)	9107350-00	5	
2	TERMINAL, SKT	1209379-03	4
1	HOUSING, 3 SKT	1209350-03	3
6	TERMINAL, PIN CONTACT	1209378-08	2
2	HOUSING, 3 PIN	1209351-03	1

DIMENSIONING AND TOLERANCING

ANGLES $\pm 0^\circ 30'$	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES					
		OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
SURFACE QUALITY IN MICROINCHES	MEDIUM	$\pm .004$	$\pm .008$	$\pm .012$	$\pm .016$	$\pm .024$	$\pm .04$
	PREFERRED	$\pm .012$	$\pm .016$	$\pm .025$	$\pm .04$	$\pm .063$	$\pm .1$

PROJECTION AND NOTES

THIRD ANGLE PROJECTION		FIRST USED ON	
ENG. W. Darr	2 MAR 77	FPP8-E	digital
REMOVE BURRS AND BREAK SHARP CORNERS		TITLE	
DO NOT SCALE DWG		8E POWER CONTROL ADAPTER CABLE	
MATERIAL SEE PARTS LIST		NEXT HIGHER ASSY.	
FINISH		D-U-A-FPP8-E-0	
		SCALE	REV.
		1	A
		SHEET	
		OF 1	
		DIST.	

REVISIONS

CHK	CHANGE NO.	REV.
X-3	7013953-00001	A
R. Chesser	17 June 77	
L. NARH		
Terry Glaser	22 Jun 77	

MAKERSPLA - P-1885

DEC FORM NO. DRC 100-C

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D

C

B

A

4

3

2

1

REVISIONS			
CHG	CHANGE NO.	REV.	
5	7013952-00001	A	11 April 77
W. DASH			
L.D.H.	12 April 77		
	7013952-00002	B	

MAKING PAGE P-1885

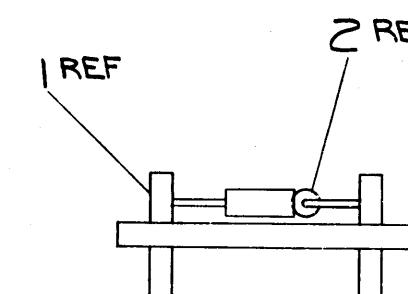
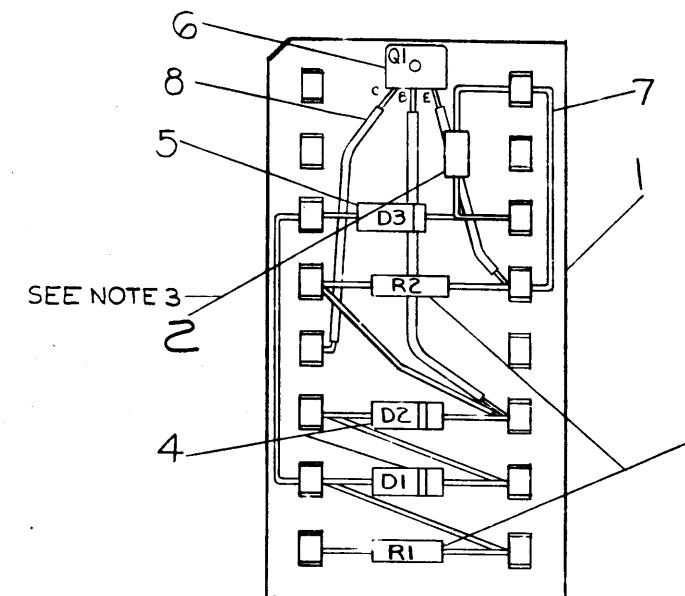
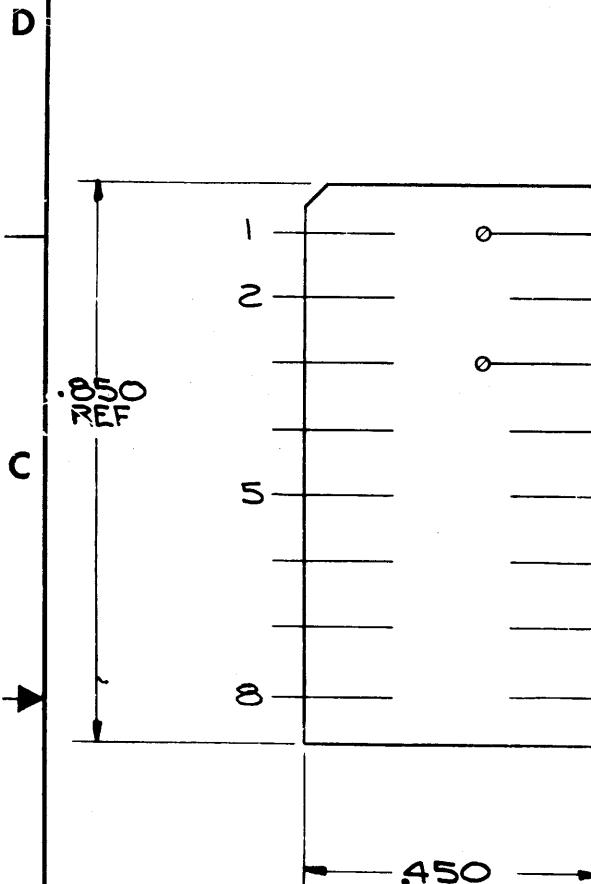
DEC FORM NO.
DRC 100-C

4

3

2

1



NOTES

- CUT OFF COMPONENT ADAPTER PINS NO. 3, 4, 6, 7, 9, 10 & 11.
- O1 VARIATION FOR USE ON H9302.
- ITEM #2, INSULATED JUMPER CONNECTED AS SHOWN FOR 7013952-00 VARIATION ONLY. IN 7013952-O1 VARIATION, ITEM #2 INSULATED JUMPER IS NOT USED.

	A/R TUBING, THIN WALL	9107256-00	8
	A/R JUMPER WIRE	9105740-55	7
-	1 TRANS, DEC 6531B (Q1)	1509338	6
-	1 DIODE, IN4004 (D3)	1105796	5
-	2 DIODE, 672 (D1, D2)	1105275	4
-	2 RES, 820 1/4W 5% (R1, R2)	1301775	3
-	1 INSULATED JUMPER WIRE	9009185-00	2
-	1 COMPONENT ADAPTER(16 PIN)	1211323-00	1

7013952-00	7013952-01	DESCRIPTION		DWG./PART NO.	ITEM NO.		
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		NOMINAL DIMENSION RANGE INCHES			
ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	OVER 0 TO	OVER 0.2 TO	OVER 1.2 TO	OVER 4.0 TO	OVER 12.0 TO	OVER 40.0 TO 80.0
SURFACE QUALITY IN MEDIUM		±.004	±.008	±.012	±.016	±.024	±.04
PREFERRED		±.012	±.016	±.025	±.04	±.063	±.1

THIRD ANGLE PROJECTION	FIRST USED ON FPP8-E
REMOVE BURRS AND BREAK SHARP CORNERS	digital
DO NOT SCALE DWG	TITLE REMOTE INTERLOCK JUMPER ASSY
MATERIAL SEE PARTS LIST	SIZE C CODE IA NUMBER 7013952-0-0 REV. C
FINISH	SCALE 11 SHEET 1 OF 1 DIST.

D

C

B

A

A