

TITLE	SIZE CODE	NUMBER	REV
BA8-C UNIT ASSEMBLY	B DD	BA8-C	A
SHEET 2 OF 4			

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE	FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
			-	5	E-AD-7012561-0-0	WALL, ASSEMBLY BA8-C CENTER	M/E
			-		E-IA-7415701-0-0	WALL, CENTER	
1	E-UA-BA8-C-Ø	BA8-C UNIT ASSEMBLY	E/M				
	A-PL-BA8-C-Ø	BA8-C UNIT ASSEMBLY (PL)	E/M				
	D-IA-7012374-0-0	HARNESS, FAN	E/M				
	D-IA-7415703-0-0	COVER, REAR	M				
	D-MD-7415706-0-0	COVER, TOP	M	6	B-DD-H9195-Ø	BACKPLANE, 2Ø SLOT	E
	C-IA-7008612-0-0	CABLE, KEYBOARD	M/E				
	C-MD-7415702-0-0	RAIL, CHASSIS MOUNTING	M				
	D-MD-7416740-0-0	COVER, HARNESS	M				
	A-DC-7417273-0-0	LABEL, WARNING	M				
				7	B-DD-5412000-0	BOARD, BA8-C POWER DISTRIBUTION	E
				8	D-IA-7012541-0-0	SHELF ASSEMBLY, REG. BOARD	M
					E-IA-7415704-0-0	SHELF, REG. BOARD	M
2	D-IA-7012417-0-0	CHASSIS, BA8-C	M		B-MD-7416407-0-0	TAB, BAFFLE	M
	E-IA-7415705-0-0	CHASSIS, SIDES & BOTTOM	M		C-MD-7416406-0-0	BAFFLE, AIR	M
	B-MD-7413499-0-0	SPACER, CHASSIS	M		B-MD-7416468-0-0	BRACKET, REG. BD. SUPPORT	M
	B-MD-7416407-0-0	TAB, BAFFLE	M				
	B-MD-7416406-0-0	BAFFLE, AIR	M				
	B-MD-7416468-0-0	BRACKET, REG. BD. SUPPORT	M				
				9	D-CS-G8Ø18-Ø-1	REGULATOR BOARD G8Ø18	E/M
					K-CO-G8Ø18-Ø-4	X-Y COORDINATE HOLE LOCATION	E
					E-AH-G8Ø18-Ø-5	ASSY/DRILLING HOLE LAYOUT	E
					B-MH-G8Ø18-Ø-6	MODULE ECO HISTORY	E
					A-SP-G8Ø18-Ø-8	G8Ø18 REGULATOR BOARD SPEC.	E
3	D-IA-7012373-0-0	TRANSFORMER ASSEMBLY	E/M		E-IA-7413241-0-0	BRACKET, REGULATOR BOARD	M
					C-MD-7413208-0-0	CLAMP, CAPACITOR	M
					A-CD-7413498-0-0	DECAL	M
4	D-AD-7012375-0-0	LINE SET ASSEMBLY	E/M	10	D-AD-7012452-0-0	BEZEL ASSY, 5-1/4 BLANK	M
	C-IA-7411983-0-0	PLATE, LINE SET	M		D-IA-7415707-0-0	BRACKET, BEZEL	M
	A-DC-7416202-0-0	DECAL	M				
				11	D-UA-H95Ø-P-Ø	H95Ø-P COVER PANEL	M
					A-PL-H95Ø-P-Ø	H95Ø-P COVER PANEL (PL)	M
				12	D-AD-7010039-0-0	PANEL, LIMITED FUNCTION	E/M
					D-IA-7415707-0-0	BRACKET, BEZEL	M

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

digital

TITLE

BA8-C
UNIT ASSEMBLY

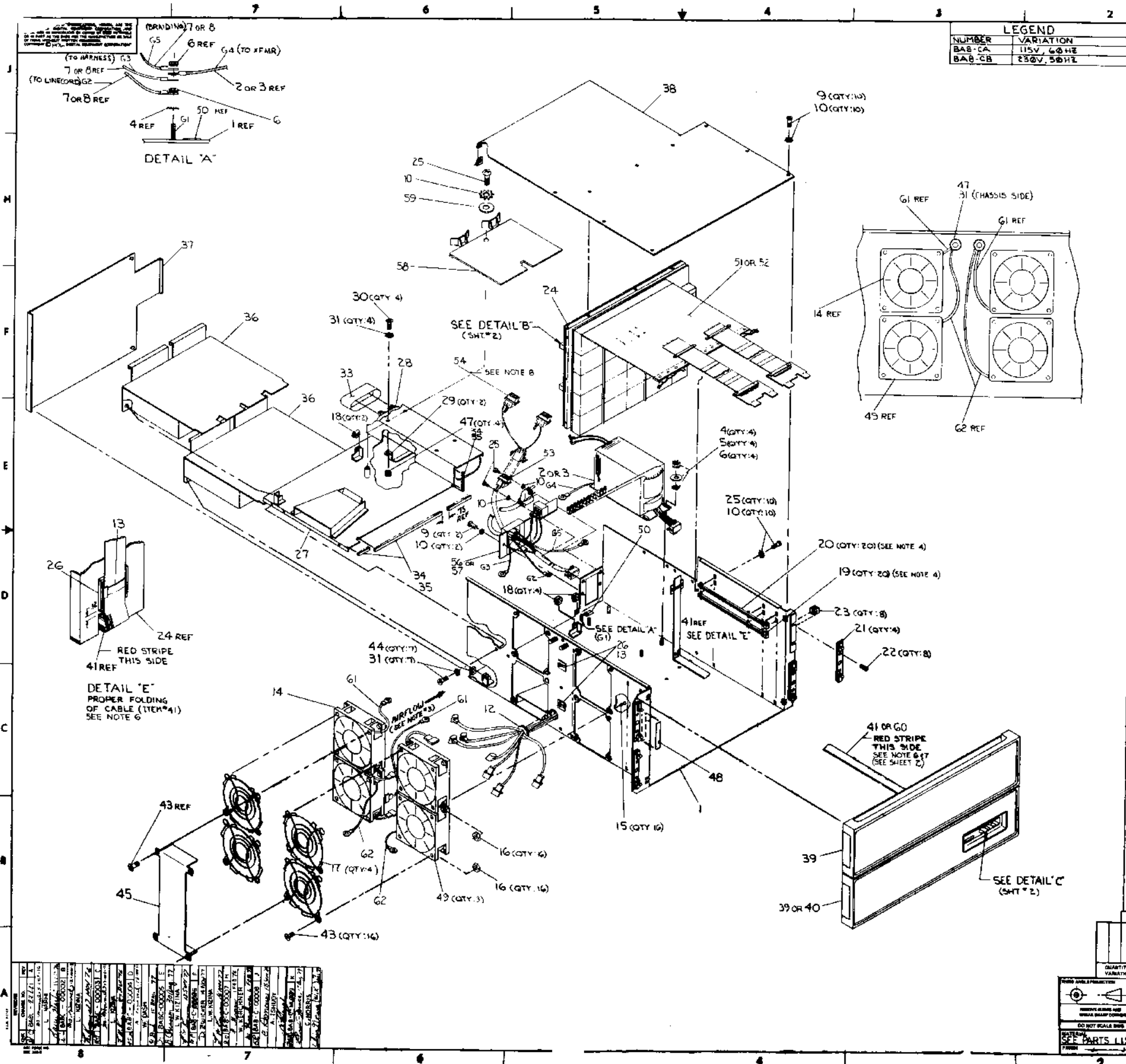
SHEET 3 OF 4

SIZE CODE
B DD

NUMBER
BA8-C

REV
A

EN-01062-2C-1-B-R-376-(325)



NOTES:

- INSTRUCTIONS TO EXTEND APPROVED BY 28 ON 1470 JUNE 1968
- EXTERNAL TOOTH LOCK WASHERS (ITEM NO'S 4, 6, 8, 11) ARE BEING USED TO ENSURE A POSITIVE GROUND.
- INLET AIRFLOW VOLUME IS 540 C.F.M. MAXIMUM AT SEA LEVEL.
- CARD GUIDES (ITEM #20) IS PROVIDED FOR SLOTS 1-20. WHEN A QUAD MODULE IS USED IT WILL BE NECESSARY TO REMOVE CARD GUIDES ON LOWER LEFT SIDE.
- INSTALL MODULES AS FOLLOWS:
 PLACEMENT OF HEX MODULE IS FROM SLOT 1 (TOP OF BACKPLANE DOWN);
 PLACEMENT OF QUAD MODULES IS FROM SLOT 20 (BOTTOM OF BACKPLANE UP);
 ON EXPANDER OPTIONS ITEM #11 IS REPLACED BY ITEM #55.
- INSTALL 1/4 TURN RECEPTACLE (ITEM 18) AT POSITION 14. LENGTH OF INSULATION TO FRONT SIDE OF UNIT, 6" LENGTH NEXT TO TRANSFORMER.

ASSEMBLY INSTRUCTIONS

- ASSEMBLE FANS (ITEM #14) TO CHASSIS (ITEM #1) USING NUTS, 6-32 (ITEM #4) AND PHIL PAN HD SCREW 6-32 X 1/2 (ITEM #5) AND PHIL EXT TOOTH LOCK WASHER (ITEM #6).
- INSTALL FAN HARNESS (ITEM 12) FROM THE REVERSE SIDE OF THE CHASSIS IN HOLE PROVIDED. SECURE IN PLACE WITH THE FAN HARNESS GROMMET.
- ATTACH FAN HARNESS (ITEM 12) TO FANS (ITEM #14).
- ASSEMBLE 1/4 TURN RECEPTACLE (ITEM 18) TO CHASSIS (ITEM #1).
- ASSEMBLE LINE SET ASSY (ITEM 7 OR ITEM 8) USING PHIL PAN HD SCREW 6-32 X 1/2 (ITEM #5) AND #6 EXT TOOTH LOCK WASHER (ITEM #6).
- ASSEMBLE XFMR ASSY (ITEM 2 OR 3) TO CHASSIS (ITEM #1) USING #6 EXT TOOTH LOCK WASHER (ITEM #6), FLAT WASHER (ITEM #8) AND #6-32 KEYP NUT (ITEM #4).
- ATTACH G2 (GND WIRE) FROM LINE SET ASSY (ITEM 7 OR 8) AND XFMR GND (ITEM 2 OR 3) TO STUD (ITEM 1) AS SHOWN BY DETAIL A, USING (ITEMS 4, 5, 6).
- ASSEMBLE KEYBOARD CABLE (ITEM #41) TO CENTER WALL ASSY (ITEM 24). SEE DETAIL E USING (ITEMS 13 & 14). (SEE SHT 2 OF UA).
- ASSEMBLE CENTER WALL ASSY (ITEM 24) USING #6 EXT TOOTH LOCK WASHER (ITEM #6) AND PHIL PAN HD SCREW 6-32 X 1/2 (ITEM #5).
- ASSEMBLE CARD GUIDE (ITEM 19 AND ITEM 20) TO CHASSIS (ITEM #1); USE TOOL PROVIDED.
- PLUG XFMR ASSY (ITEM 2 OR 3) TO CENTER WALL ASSY (ITEM 24).
- ATTACH CABLE OF XFMR ASSY (ITEM 2 OR 3) TO CENTER WALL ASSY (ITEM 24) AT J10 TERM. STRIP.
- ATTACH CMM FROM LINE SET ASSY (ITEM 7 OR 8) TO CENTER WALL (ITEM 24).
- ASSEMBLE CAPACITOR (ITEM 26) TO REGULATOR BOARD SHELF ASSY (ITEM 27) USING CAPACITOR CLAMP (ITEM 43) WITH PHIL TRUSS HD SCREW 8-32 X 3/8 LG (ITEM 30), #8 EXT. TOOTH LOCK WASHER (ITEM 31) AND KEYP NUT 8-32 (ITEM 47).
- ASSEMBLE 1/4 TURN RECEPTACLE (ITEM 18) TO REG. SHELF ASSY (ITEM 27).
- ASSEMBLE CATERPILLAR GROMMET (ITEM 34) TO REG SHELF ASSY (ITEM 27) USING PERMA BOND ADHESIVE (ITEM 35).
- ASSEMBLE REG. SHELF ASSY (ITEM 27) TO CHASSIS (ITEM #1) USING #8 EXT TOOTH LOCK WASHER (ITEM 31) AND PHIL PAN HD SCREW 8-32 X 3/8 LG (ITEM #44).
- ATTACH CABLE OF XFMR ASSY (ITEM 2 OR 3) TO REG. SHELF ASSY (ITEM 27) USING FLAT WASHER (ITEM 32), #8 EXT TOOTH LOCK WASHER (ITEM 31) AND PHIL PAN HD SCREW 8-32 X 3/8 LG. (ITEM #44).
- ATTACH LEADS OF XFMR ASSY (ITEM 2 OR 3) TO CAPACITOR (ITEM 26) AND COVER WITH CAPACITOR INSULATOR (ITEM 33). (CONTINUED ON SHEET 3)

OFFSHEET PARTS LIST REFER TO A-PL-BA8-C-B

ITEM NO.	DESCRIPTION	QTY	UNIT	REF
1	CHASSIS	1	EA	1
2	XFMR ASSY	1	EA	2
3	XFMR ASSY	1	EA	3
4	NUT 6-32	16	EA	14
5	PHIL PAN HD SCREW 6-32 X 1/2	16	EA	14
6	EXT TOOTH LOCK WASHER #6	16	EA	14
7	LINE SET ASSY	1	EA	7
8	LINE SET ASSY	1	EA	8
9	KEY NUT 8-32	1	EA	18
10	PHIL PAN HD SCREW 6-32 X 1/2	4	EA	25
11	EXT TOOTH LOCK WASHER #6	4	EA	25
12	FAN HARNESS	1	EA	12
13	RED STRIPE	1	EA	41
14	PHIL PAN HD SCREW 6-32 X 1/2	16	EA	14
15	CHASSIS	1	EA	15
16	PHIL PAN HD SCREW 6-32 X 1/2	16	EA	16
17	PHIL PAN HD SCREW 6-32 X 1/2	4	EA	17
18	1/4 TURN RECEPTACLE	1	EA	18
19	CARD GUIDE	20	EA	19
20	CARD GUIDE	20	EA	20
21	PHIL PAN HD SCREW 6-32 X 1/2	8	EA	21
22	PHIL PAN HD SCREW 6-32 X 1/2	8	EA	22
23	PHIL PAN HD SCREW 6-32 X 1/2	8	EA	23
24	CENTER WALL ASSY	1	EA	24
25	NUT 6-32	16	EA	25
26	CAPACITOR	1	EA	26
27	REGULATOR BOARD SHELF ASSY	1	EA	27
28	PHIL PAN HD SCREW 6-32 X 1/2	4	EA	28
29	PHIL PAN HD SCREW 6-32 X 1/2	2	EA	29
30	TRUSS HD SCREW 8-32 X 3/8 LG	1	EA	30
31	EXT TOOTH LOCK WASHER #6	4	EA	31
32	FLAT WASHER #8	1	EA	32
33	CAPACITOR INSULATOR	1	EA	33
34	CATERPILLAR GROMMET	1	EA	34
35	PERMA BOND ADHESIVE	1	EA	35
36	PHIL PAN HD SCREW 6-32 X 1/2	4	EA	36
37	PHIL PAN HD SCREW 6-32 X 1/2	4	EA	37
38	CHASSIS	1	EA	38
39	PHIL PAN HD SCREW 6-32 X 1/2	1	EA	39
40	PHIL PAN HD SCREW 6-32 X 1/2	1	EA	40
41	KEYBOARD CABLE	1	EA	41
42	PHIL PAN HD SCREW 6-32 X 1/2	4	EA	42
43	CAPACITOR CLAMP	1	EA	43
44	PHIL PAN HD SCREW 8-32 X 3/8 LG	1	EA	44
45	PHIL PAN HD SCREW 6-32 X 1/2	16	EA	45
46	PHIL PAN HD SCREW 6-32 X 1/2	16	EA	46
47	KEY NUT 8-32	1	EA	47
48	PHIL PAN HD SCREW 6-32 X 1/2	1	EA	48
49	PHIL PAN HD SCREW 6-32 X 1/2	3	EA	49
50	PHIL PAN HD SCREW 6-32 X 1/2	1	EA	50
51	PHIL PAN HD SCREW 6-32 X 1/2	1	EA	51
52	PHIL PAN HD SCREW 6-32 X 1/2	1	EA	52
53	PHIL PAN HD SCREW 6-32 X 1/2	1	EA	53
54	PHIL PAN HD SCREW 6-32 X 1/2	1	EA	54
55	PHIL PAN HD SCREW 6-32 X 1/2	1	EA	55

MODULE ASSIGNMENT AND POWER REQUIREMENTS

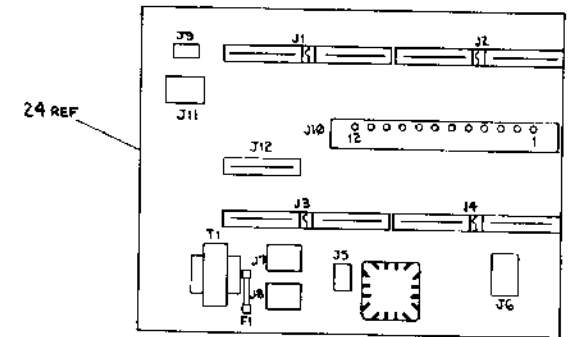
OPTION	DESCRIPTION	BOARD SIZE	NO. SLOTS USED	ASSIGNED SLOT NO.	CURRENT +5V	+15V	-15V
CMB-F	CARD RDR CONT.	QUAD	1	4-20	55A		
CRB-F	CARD RDR CONT.		1	4-20	55A		
DBB-EA	INTERPROC. BUFFER		1	2-20	80A		0.5A
DKB-EC	RTC CRYSTAL		1	2-20	34A		
DWB-EP	RTC PROG.	QUAD	2	2-20	143A		0.7A
DKCB-A	OPTION ¹	HEX	1	2-3	20A	0.6A	1A
DPB-EA-EB	MODEM INTERFACE	QUAD	2	2-20	180A	0.5A	1.1A
DRB-EA	DIGITAL I/O	QUAD	1	2-20	2.25A		
KAB-E	POSITIVE I/O	QUAD	1	4-20	140A		
KCB-AA-AB	PROG. CONSOLE	PHL. MT.	0	N.A.	2.5A		
KDB-E	DATA BREAK	QUAD	1	4-20	1.2A		
KGB-EA	REDUNDANCY CHECK	QUAD	1	4-20	.94A		
KKB-A	C.P.U.	HEX	1	1	50A		0.4A
KB-A	ASYNC. DATA CONT.	QUAD	1	2-20	1.1A	0.5A	10A
KLB-M	MODEM CONTROL	QUAD	1	2-20	40A	0.4A	0.4A
KMB-AA OR-AB	OPTION ²	HEX	1	2-3	20A		
KMB-E	MEM. EXT. & T.S. CONT.	QUAD	1	4-20	10A		
LEB-XX	LRDS CONTROL	QUAD	1	2-20	35A		
LSB-F	LSOI CONTROL	QUAD	1	2-20	40A		
MMB-AA	8K CORE, OPERATING	HEX	2	4-11	2.5A		
MMB-AA	8K CORE, STANDBY	HEX	2	4-11	2.5A		
MMB-AB	16K CORE, OPERATING	HEX	2	4-11	2.5A		
MMB-AB	16K CORE, STANDBY	HEX	2	4-11	2.5A		
MRB-AA	1K ROM	QUAD	1	2-20	2.0A		
MRB-AB	2K ROM		1	2-20	3.0A		
MRB-AC	3K ROM		1	2-20	4.0A		
MRB-AD	4K ROM		1	2-20	5.0A		
MRB-FB	1K PROM		1	2-20	3.8A		3.5A
MSB-AA	1K RAM		1	4-20	2.1A		
MSB-AB	2K RAM		1	4-20	2.8A		
MSB-AC	3K RAM		1	4-20	3.5A		
MSB-AD	4K RAM		1	4-20	4.2A		
PCB-E, PRB-E	PCB4 CONTROL		1	4-20	84A		2.5A
RKB-E	RK01 CONTROL		1	4-20	1.5A		
RKB-EA	RK05 CONTROL		3	4-20	3.8A		
TAB-AA	TU60 CONTROL		1	2-20	2.8A		
TMB-EA-FA	TU10 CONTROL		4	4-20	4.8A		
VCB-E	DISPLAY CONTROL		2	2-20	3.1A		
VTB-E	DISPLAY CONTROL		3	4-20	3.7A	0.9A	1.3A
XVB-E	PLOTTER CONTROL		1	4-20	4.2A	0.1A	0.3A
KKB-E	M8300, MAJOR REG.		1	*18	17A		
	M8300, MAJOR REG. CONT.		1	*19	60A		
	M8300, TIMING GEN.		1	*20	12A		
	M8300, BUS LOAD		1	1	10A	10A	53A
ADB-A	A/D CONV.	QUAD	1	4-20	3.25A		
FPRB-A	FLOATING POINT	HEX	2	4-20	88A		
KEB-E	M8340, EAE IR		1	*19	1.8A		
MLB-A	MSLU	HEX	1	4-20	2.5A	0.9A	4.25A
LAB-P	LABO CONT.	QUAD	1	4-20	10A		
WIB-E	BOOT LOADER	QUAD	1	4-20	7.5A		0.5A
RKB-L	RK05 CONT.	QUAD	2	4-20	3.5A		
TDB-E	TU06 CONT.	QUAD	1	4-20	1.3A		
VWB-A	VIDEO DISPLAY CONT.	HEX	1	4-20	2.8A		

* WITH KEB-E OPTION, M8300 & M8310 MUST BE MOVED TO SLOTS 16 & 17 RESPECTIVELY. THE KEB-E OPTION PLUGS INTO SLOTS 18 & 19 (M8341 & M8340)

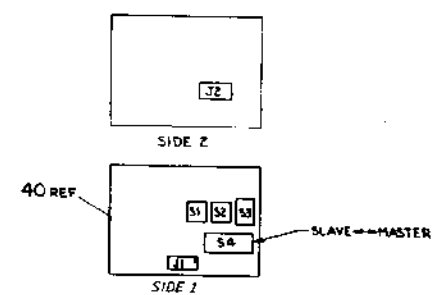
AVAILABLE CURRENT:

SLOTS* 1 THRU 10	+5V	-15V	+15V
	25A (MAX)	2A (MAX)	2A (MAX)

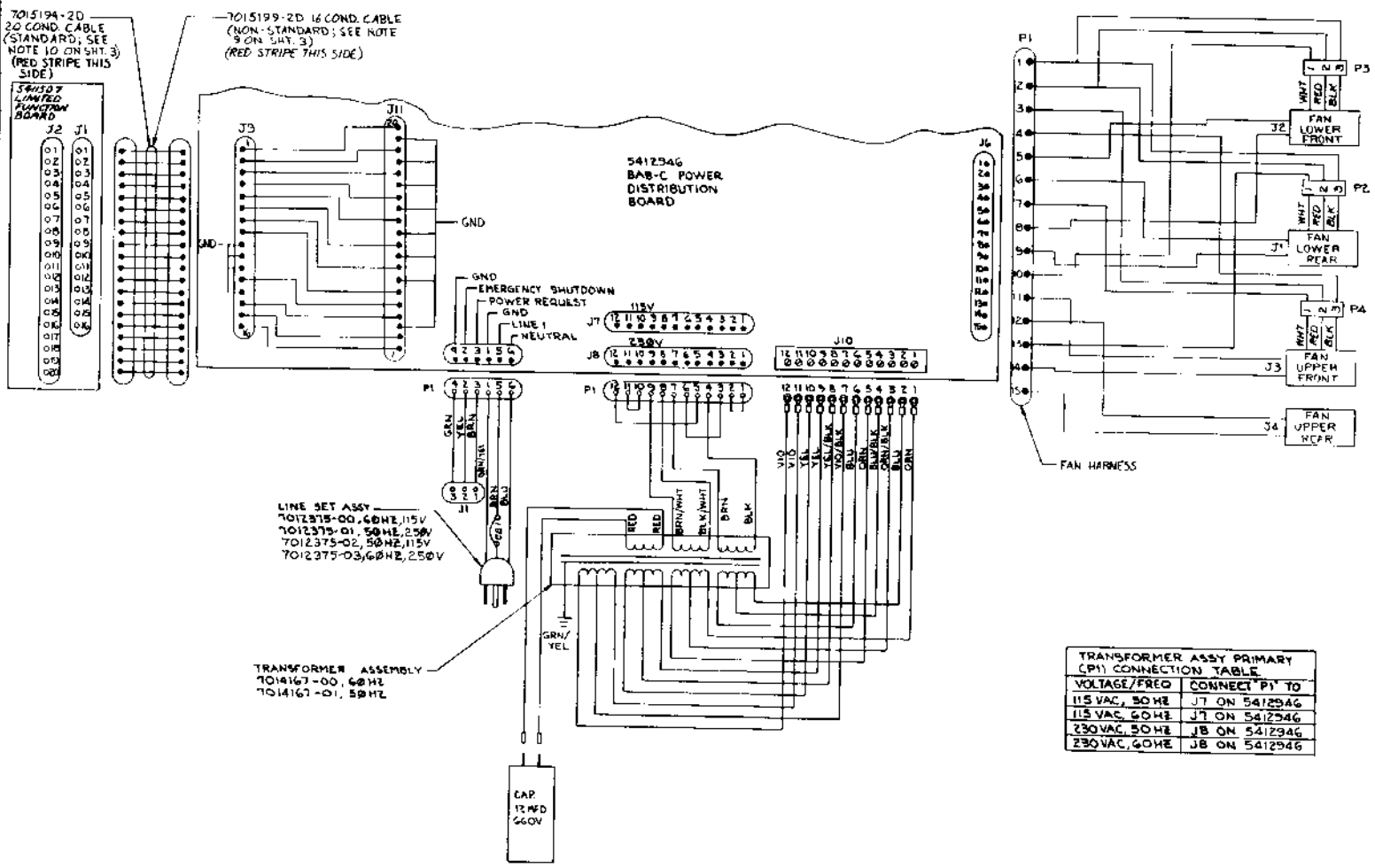
SLOTS* 11 THRU 20	+5V	-15V	+15V
	25A (MAX)	2A (MAX)	2A (MAX)



DETAIL "B"
JACK LOCATIONS ON POWER DISTRIBUTION BOARD OF CENTER WALL ASSEMBLY (ITEM# 24)

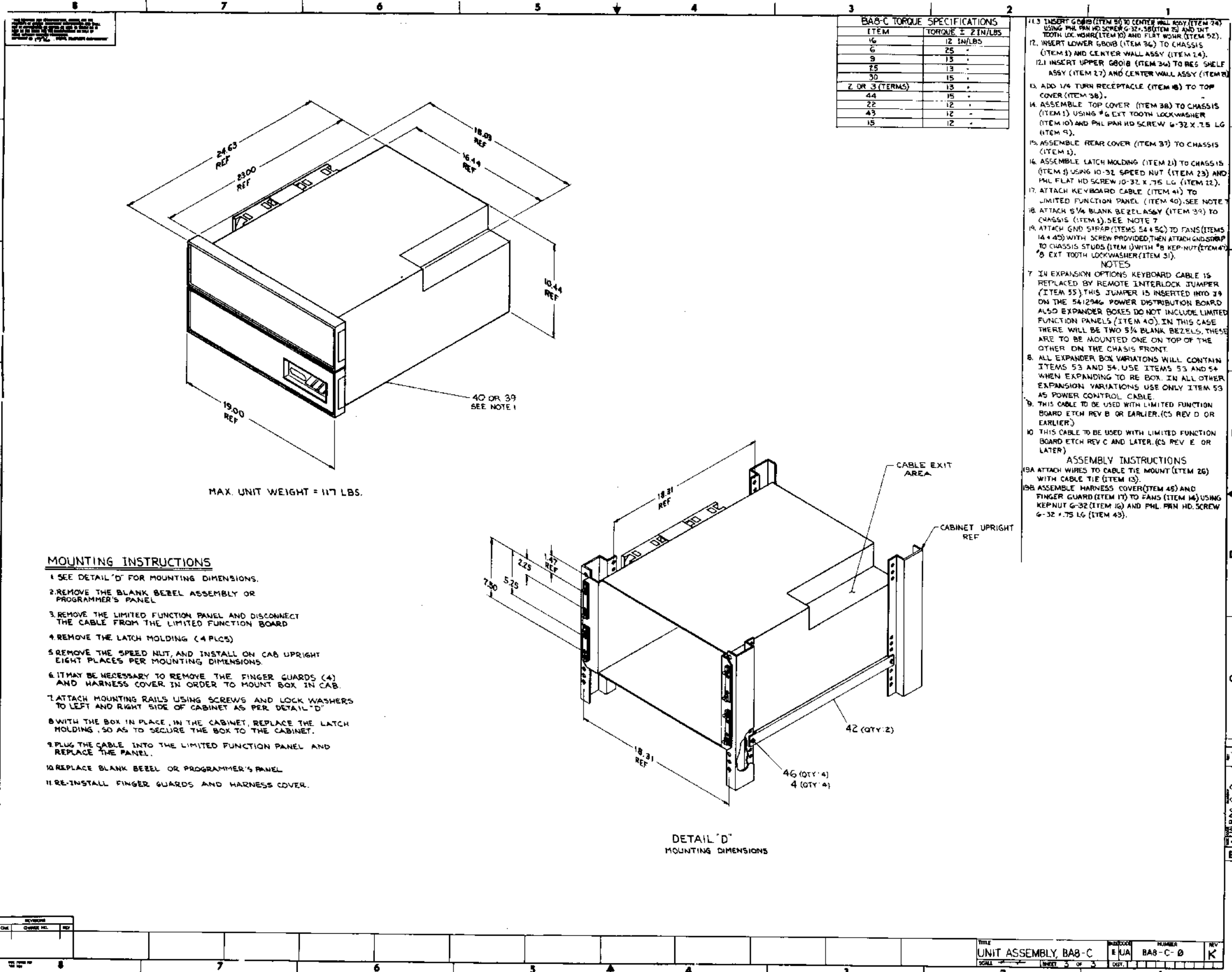


DETAIL "C"
SWITCH LOCATIONS ON LIMITED FUNCTION BOARD OF PANEL ASSY (ITEM# 40)



TRANSFORMER ASSY PRIMARY (P1) CONNECTION TABLE

VOLTAGE/FREQ	CONNECT P1 TO
115 VAC, 60HZ	J7 ON 5412946
115 VAC, 60HZ	J7 ON 5412946
250 VAC, 50HZ	J8 ON 5412946
250 VAC, 60HZ	J8 ON 5412946



BA8-C TORQUE SPECIFICATIONS	
ITEM	TORQUE ± 2 IN/LBS
16	12
6	25
9	13
25	13
30	15
Z OR 3 (TERMS)	13
44	15
22	12
43	12
15	12

- 11.3 INSERT GROUND (ITEM 50) TO CENTER WALL ASSY (ITEM 24) USING PHL FRN HD SCREW G-32 X .38 (ITEM 25) AND INT TOOTH LOCK WSR (ITEM 10) AND FLAT WSR (ITEM 52).
12. INSERT LOWER GROUND (ITEM 36) TO CHASSIS (ITEM 1) AND CENTER WALL ASSY (ITEM 14).
- 12.1 INSERT UPPER GROUND (ITEM 36) TO RES SHELF ASSY (ITEM 27) AND CENTER WALL ASSY (ITEM 14).
13. ADD 1/4 TURN RECEPTACLE (ITEM 48) TO TOP COVER (ITEM 38).
14. ASSEMBLE TOP COVER (ITEM 38) TO CHASSIS (ITEM 1) USING #6 EXT TOOTH LOCKWASHER (ITEM 10) AND PHL FRN HD SCREW G-32 X .75 LG (ITEM 9).
15. ASSEMBLE REAR COVER (ITEM 37) TO CHASSIS (ITEM 1).
16. ASSEMBLE LATCH MOLDING (ITEM 11) TO CHASSIS (ITEM 1) USING 10-32 SPEED NUT (ITEM 23) AND PHL FLAT HD SCREW 10-32 X .75 LG (ITEM 12).
17. ATTACH KEYBOARD CABLE (ITEM 41) TO LIMITED FUNCTION PANEL (ITEM 40). SEE NOTE 7.
18. ATTACH 5/16 BLANK BEZEL ASSEMBLY (ITEM 39) TO CHASSIS (ITEM 1). SEE NOTE 7.
19. ATTACH GND STRAP (ITEMS 54 & 56) TO FANS (ITEMS 14 & 45) WITH SCREW PROVIDED THEN ATTACH GND STRAP TO CHASSIS STUDS (ITEM 1) WITH #8 KEP-NUT (ITEM 4) & #8 EXT TOOTH LOCKWASHER (ITEM 5).

- NOTES**
7. IN EXPANSION OPTIONS KEYBOARD CABLE IS REPLACED BY REMOTE INTERLOCK JUMPER (ITEM 55) THIS JUMPER IS INSERTED INTO J4 ON THE 5412946 POWER DISTRIBUTION BOARD ALSO EXPANDER BOXES DO NOT INCLUDE LIMITED FUNCTION PANELS (ITEM 40). IN THIS CASE THERE WILL BE TWO 5/16 BLANK BEZELS, THESE ARE TO BE MOUNTED ONE ON TOP OF THE OTHER ON THE CHASSIS FRONT.
 8. ALL EXPANDER BOX VARIATIONS WILL CONTAIN ITEMS 53 AND 54. USE ITEMS 53 AND 54 WHEN EXPANDING TO RE BOX. IN ALL OTHER EXPANSION VARIATIONS USE ONLY ITEM 53 AS POWER CONTROL CABLE.
 9. THIS CABLE TO BE USED WITH LIMITED FUNCTION BOARD ETCH REV B OR EARLIER. (CS REV D OR EARLIER)
 10. THIS CABLE TO BE USED WITH LIMITED FUNCTION BOARD ETCH REV C AND LATER. (CS REV E OR LATER)

- ASSEMBLY INSTRUCTIONS**
- 19A. ATTACH WIRES TO CABLE TIE MOUNT (ITEM 26) WITH CABLE TIE (ITEM 13).
 - 19B. ASSEMBLE HARNESS COVER (ITEM 45) AND FINGER GUARD (ITEM 17) TO FANS (ITEM 14) USING KEPNUT G-32 (ITEM 16) AND PHL FRN HD SCREW G-32 X .75 LG (ITEM 43).

- MOUNTING INSTRUCTIONS**
1. SEE DETAIL "D" FOR MOUNTING DIMENSIONS.
 2. REMOVE THE BLANK BEZEL ASSEMBLY OR PROGRAMMER'S PANEL.
 3. REMOVE THE LIMITED FUNCTION PANEL AND DISCONNECT THE CABLE FROM THE LIMITED FUNCTION BOARD.
 4. REMOVE THE LATCH MOLDING (4 PLCS).
 5. REMOVE THE SPEED NUT, AND INSTALL ON CAB UPRIGHT EIGHT PLACES PER MOUNTING DIMENSIONS.
 6. IT MAY BE NECESSARY TO REMOVE THE FINGER GUARDS (4) AND HARNESS COVER IN ORDER TO MOUNT BOX IN CAB.
 7. ATTACH MOUNTING RAILS USING SCREWS AND LOCK WASHERS TO LEFT AND RIGHT SIDE OF CABINET AS PER DETAIL "D".
 8. WITH THE BOX IN PLACE, IN THE CABINET, REPLACE THE LATCH HOLDING, SO AS TO SECURE THE BOX TO THE CABINET.
 9. PLUG THE CABLE INTO THE LIMITED FUNCTION PANEL AND REPLACE THE PANEL.
 10. REPLACE BLANK BEZEL OR PROGRAMMER'S PANEL.
 11. RE-INSTALL FINGER GUARDS AND HARNESS COVER.

REV	DESCRIPTION	DATE

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			QUANTITY/VARIATION														
PARTS LIST			(115V-60HZ)	(230V-60HZ)	(115V-50HZ)	(230V-50HZ)	(115V-60HZ)	(230V-60HZ)	(115V-50HZ)	(230V-50HZ)	(115V-60HZ)	(230V-60HZ)	(115V-50HZ)	(230V-50HZ)			
MADE BY	CHECKED	SECTION															
D. SULLIVAN	<i>[Signature]</i>	1															
DATE	DATE	ISSUED SECT.															
22 MAR 76	26 JULY 76	1															
ENG	PROD	ISSUED SECT.															
<i>[Signature]</i>	<i>[Signature]</i>	1															
DATE	DATE																
26 JULY 76	26 JULY 76																
ITEM NO	DWG NO. / PART NO.	DESCRIPTION	BAB-CA	BAB-CB	BAB-CC	BAB-CD	BAB-CE	BAB-CF	BAB-CH	BAB-CI	BAB-CJ	BAB-CK	BAB-CL	BAB-CM	BAB-CN		
23	9007786-01	NUT, SPEED #10-32	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		
25	9006021-01	SCR, PHL PAN HD #6-32 X .38 LG.	10	12	10	12	10	12	10	12	10	12	10	12	10		
26	9008264	MOUNT, CABLE TIE	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		
28	1011729-01	CAPACITOR, 12 MFD, 660 V	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		
30	9006037-03	SCR, PHL TRUSS HD, #8-32 X .31 LG.	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		
32	9006660	WASHER, FLT, .375 X .187 I.D. X .036 THK	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		
34	9007036	GROMMET, CATERPILLAR	1	1	1	1	1	1	1	1	1	1	1	1	1		
35	9009157	ADHESIVE, PERMA BOND #102	R	A	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA		
36	D-CS-G8018-8-1	REGULATOR BOARD ASSEMBLY (CORE)	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		
38	D-MD-7415706-0-0	COVER, TOP	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		
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	RATL, CHASSIS MOUNTING	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		
44	9006037-01	SCR, PHL PAN HD #6-32 X .38 LG.	7	7	7	7	7	7	7	7	7	7	7	7	7		
TITLE	ASSY NO.	SIZE	CODE	NUMBER												REV	ECO NO.
BAB-C	B-DD-BAB-C	A	PL	BAB-C-Ø												K	
UNIT ASSEMBLY	SHEET 2 OF 3	DIST.															

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			QUANTITY/VARIATION														
PARTS LIST			(115V-60HZ)	(230V-60HZ)	(115V-50HZ)	(230V-50HZ)	(115V-60HZ)	(230V-60HZ)	(115V-50HZ)	(230V-50HZ)	(115V-60HZ)	(230V-60HZ)	(115V-50HZ)	(230V-50HZ)			
MADE BY	CHECKED	SECTION															
D. SULLIVAN	<i>[Signature]</i>	1															
DATE	DATE	ISSUED SECT.															
22 MAR 76	26 JULY 76	1															
ENG	PROD	ISSUED SECT.															
<i>[Signature]</i>	<i>[Signature]</i>	1															
DATE	DATE																
26 JULY 76	26 JULY 76																
ITEM NO	DWG NO. / PART NO.	DESCRIPTION	BAB-CA	BAB-CB	BAB-CC	BAB-CD	BAB-CE	BAB-CF	BAB-CH	BAB-CI	BAB-CJ	BAB-CK	BAB-CL	BAB-CM	BAB-CN		
1	D-IA-7012417-0	CHASSIS, BAB-C	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		
3	7014167-01	TRANSFORMER ASSY (50HZ)	-	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		
5	9006668	WASHER, FLT, .625 X .200 I.D. X .032 THK	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		
7	D-AD-7012375-00	LINE SET ASSY (115V)	1	-	1	-	1	-	1	-	1	-	1	-	1		
8	D-AD-7012375-01	LINE SET ASSY (230V)	-	1	-	1	-	1	-	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		
10	9007649	WASHER, #6 EXT TOOTH LOCK	23	23	23	23	23	23	23	23	23	23	23	23	23		
11	9007033	GROMMET, .187 I.D. (BLK)	2	2	2	2	2	2	2	2	2	2	2	2	2		
12	D-IA-7014181-0-0	HARNES, FAN	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		
14	1213013	FAN, 5 IN., 135 CFM, 115 VAC	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		
16	9006560	NUT, KEP 6-32	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		
18	9008196	RECEPTACLE, 1/4 TURN, .50 WIDE	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		
20	1212405-09	CARD GUIDE, FULL LENGTH (MAGENTA)	20	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		
22	9006075-02	SCR, PHL FLT HD #10-32 X .75 LG.	8	8	8	8	8	8	8	8	8	8	8	8	8		
TITLE	ASSY NO.	SIZE	CODE	NUMBER												REV	ECO NO.
BAB-C	B-DD-BAB-C	A	PL	BAB-C-Ø												K	
UNIT ASSEMBLY	SHEET 1 OF 3	DIST.															

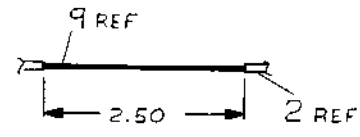
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			QUANTITY/VARIATION														
PARTS LIST			(115V-60HZ)	(230V-60HZ)	(115V-50HZ)	(230V-50HZ)	(115V-60HZ)	(230V-60HZ)	(115V-50HZ)	(230V-50HZ)	(115V-60HZ)	(230V-60HZ)	(115V-50HZ)	(230V-50HZ)			
MADE BY	CHECKED	SECTION															
D. SULLIVAN	<i>[Signature]</i>	1															
DATE	DATE	ISSUED SECT.															
22 MAR 76	26 JULY 76	1															
ENG	PROD	ISSUED SECT.															
<i>[Signature]</i>	<i>[Signature]</i>	1															
DATE	DATE																
26 JULY 76	26 JULY 76																
ITEM NO	DWG NO. / PART NO.	DESCRIPTION	BAB-CA	BAB-CB	BAB-CC	BAB-CD	BAB-CE	BAB-CF	BAB-CH	BAB-CI	BAB-CJ	BAB-CK	BAB-CL	BAB-CM	BAB-CN		
45	D-MD-7416740-0-0	COVER, HARNESS	1	1	1	1	1	1	1	1	1	1	1	1	1		
46	9006071-03	SCR, PHL TRUSS HD #10-32 X .38 LG.	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		
48	A-DC-7417273-0-0	WARNING LABEL	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		
50	3612680-01	DECAL	1	1	1	1	1	1	1	1	1	1	1	1	1		
51	D-UA-BCB8C-04	CABLE, HEX OMNIBUS EXPANDER	-	-	-	-	-	-	-	-	-	-	-	-	-		
52	D-IA-BCB8H-1F	CABLE, OMNIBUS EXPANDER	-	-	2	2	-	-	-	-	-	-	-	-	-		
53	C-IA-7008288-3F	CABLE, DC POWER CONTROL BUS	-	-	1	1	1	1	-	-	-	-	-	-	-		
54	C-IA-70-13953-01	CABLE, 8E DC POWER CONTROL ADAPTER	-	-	1	1	1	1	-	-	-	-	-	-	-		
55	D-UA-5413011-0-0	CIRCUIT, REMOTE SLAVE	-	-	1	1	1	1	-	-	-	-	-	-	-		
56	D-AD-7012375-02	LINE SET ASSY (115V, 50HZ)	-	-	-	-	-	-	-	-	-	-	-	-	-		
57	D-AD-7012375-03	LINE SET ASSY (230V, 60HZ)	-	-	-	-	-	-	-	-	-	-	-	-	-		
58	G8019	POWER DIST. CONTROL BOARD	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		
60	C-IA-7015199-2D	16 COND. PANEL CABLE	*	*	-	-	-	-	*	*	-	-	-	-	-		
61	7011412-0F	CABLE, CHASSIS GND.	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		
63	9107350-00	TUBING, BRASS 1/4 IN. LENGTH	1	1	1	1	1	1	1	1	1	1	1	1	1		
TITLE	ASSY NO.	SIZE	CODE	NUMBER												REV	ECO NO.
BAB-C	B-DD-BAB-C	A	PL	BAB-C-Ø												K	
UNIT ASSEMBLY	SHEET 3 OF 3	DIST.															

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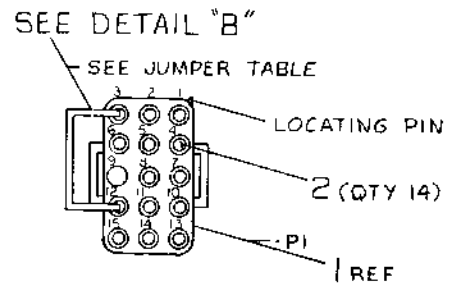
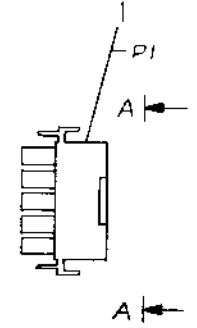
WIRE TABLE									
ITEM NO.	DESCRIPTION	FROM POINT	CONNECTION	WITH POINT	TO POINT	CONNECTION	WITH POINT	TO POINT	CONNECTION
8	22	WHT	14	PI-1	2	15	STRIP & TIN		
8	TWP	BLK	13	PI-2	2	16	STRIP & TIN		
8	22	BLK	12		2	23	STRIP & TIN		
8	TWP	WHT	11	PI-5	2	24	STRIP & TIN		
8	22	WHT	10	PI-8	2	19	STRIP & TIN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

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

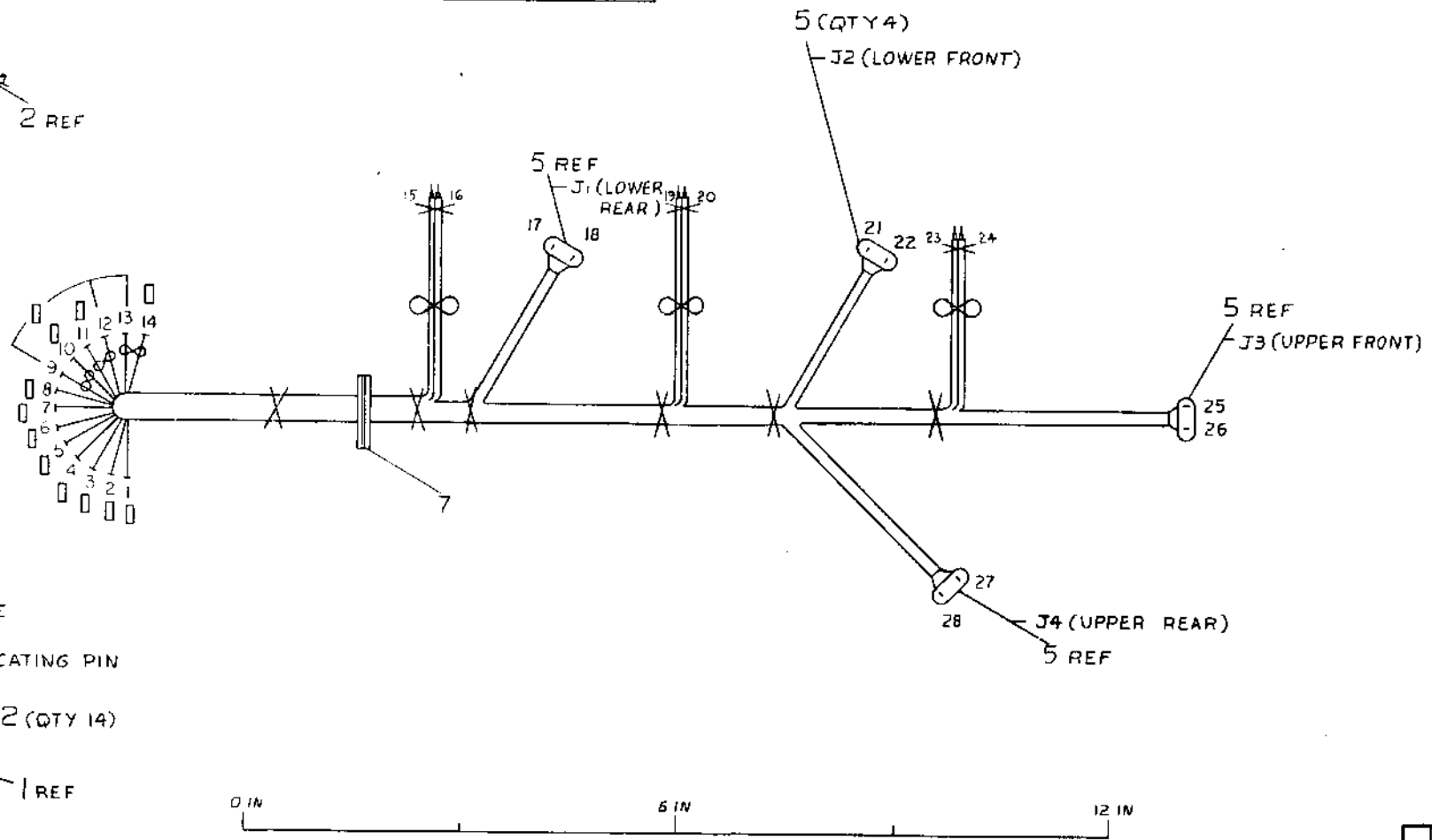
NOTES:
1. USE CABLE TIE (ITEM #6) APPROXIMATELY EVERY THREE (3) INCHES WHEN NECESSARY AND AT EVERY BREAKOUT POINT.



DETAIL "B"
SCALE: NONE



VIEW A-A
REAR VIEW
SCALE: NONE



DO NOT REDUCE
(FOR MANUFACTURING PURPOSES ONLY)

QTY	DESCRIPTION	DWG. PART NO.	ITEM NO.
9	WIRE #22 AWG BLK	9107350-00	9
8	WIRE #22 AWG, TWP, BLK & WHT	9107420-09	8
7	GRUMMET, RUBBER	9008084	7
6	CABLE TIE	9007031	6
5	PLUG-CORD ASSEMBLY	1210283	5
4	TUBING, 1/8 AWG, BLK	9107248	4
3	THERMISTOR	1313144	3
2	CONTACT, SOCKET, 14-20 AWG	1212170	2
1	CONNECTOR, PLUG	1212167-05	1

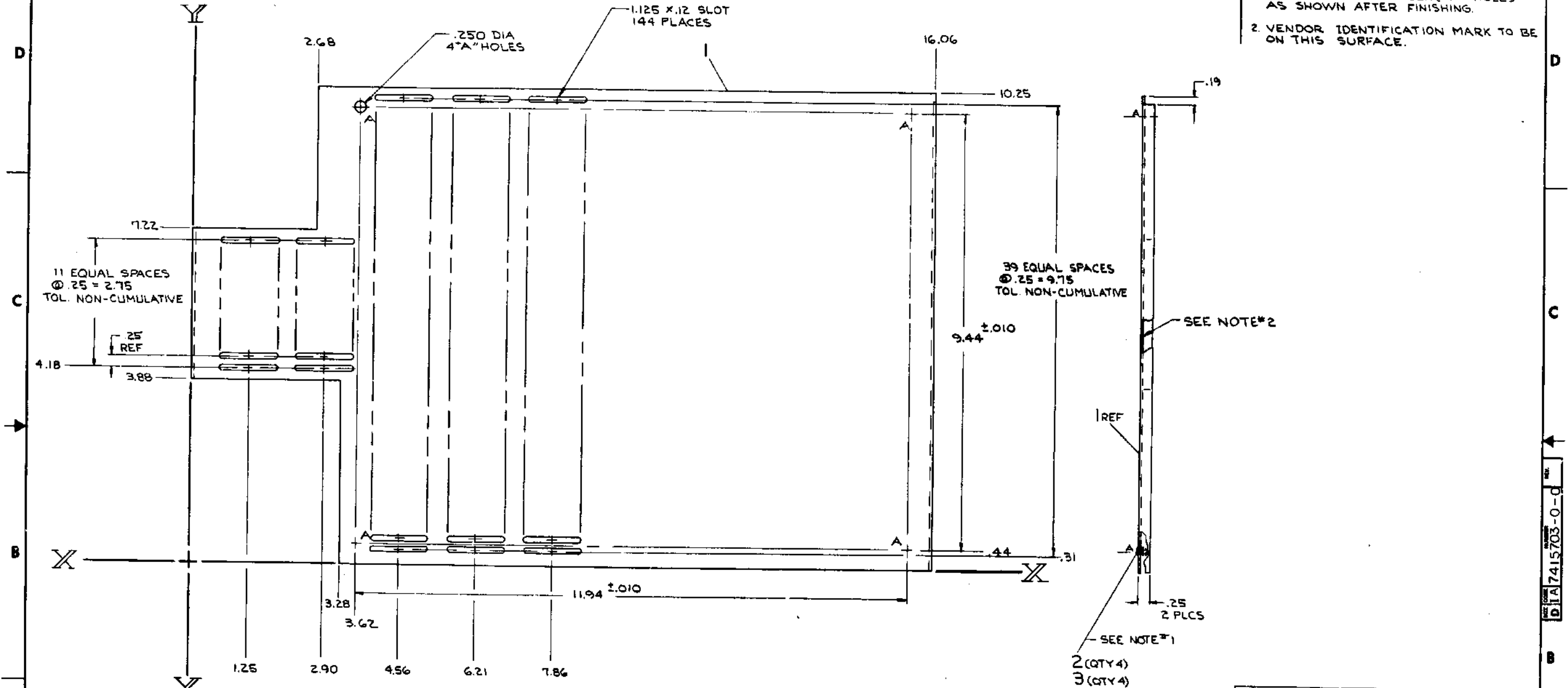
THIRD ANGLE PROJECTION	DRN Jack Mason	APR 74	FIRST USED ON	BA8-C
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D Paul Smith	APR 74	TITLE	HARNESS, FAN
DO NOT SCALE DWG	ENGR. E.K.		NUMBER	BA8-C
MATERIAL SEE PARTS LIST	PROJ. ENG. Paul Smith		SIZE	E-UA-BA8-C-0
FINISH	PROD. J. L. Smith		SCALE	1/1
			SHEET	OF
			DIST.	

REV.	DATE	BY	CHKD
1	7/12/74	C-31	A
2	7/12/74	C-31	A

DIA 7012374-0-0

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- NOTES:
1. INSTALL FASTENER AND RETAINER (ITEM #2) INTO FOUR (4) HOLES AS SHOWN AFTER FINISHING.
 2. VENDOR IDENTIFICATION MARK TO BE ON THIS SURFACE.



4	RETAINER	9008200-00	3
4	FASTENER, 1/4 TURN	9008343-00	2
1	COVER		1

DESCRIPTION		DWG./PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES OF 30°	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES			
		OVER 0	OVER .12	OVER .25	OVER .50
SURFACE QUALITY IN	MEDIUM	±.004	±.008	±.012	±.016
		±.024	±.031	±.039	±.051
QUANTITY & VARIATION	PREFERRED	±.012	±.016	±.025	±.031

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

DRN: *[Signature]* TO: *[Signature]* FIRST USED ON: **BAB-C**

CHK'D: *[Signature]*

ENG: *[Signature]*

PROJ. ENG: *[Signature]*

PROO. W: *[Signature]*

NEXT HIGHER ASSY.

MATERIAL: **16 GA (059) C.R.S.**

FINISH: **9200120-94**

TITLE: **COVER, REAR**

SIZE CODE: **DIA 7415703-0-0**

REVISIONS:

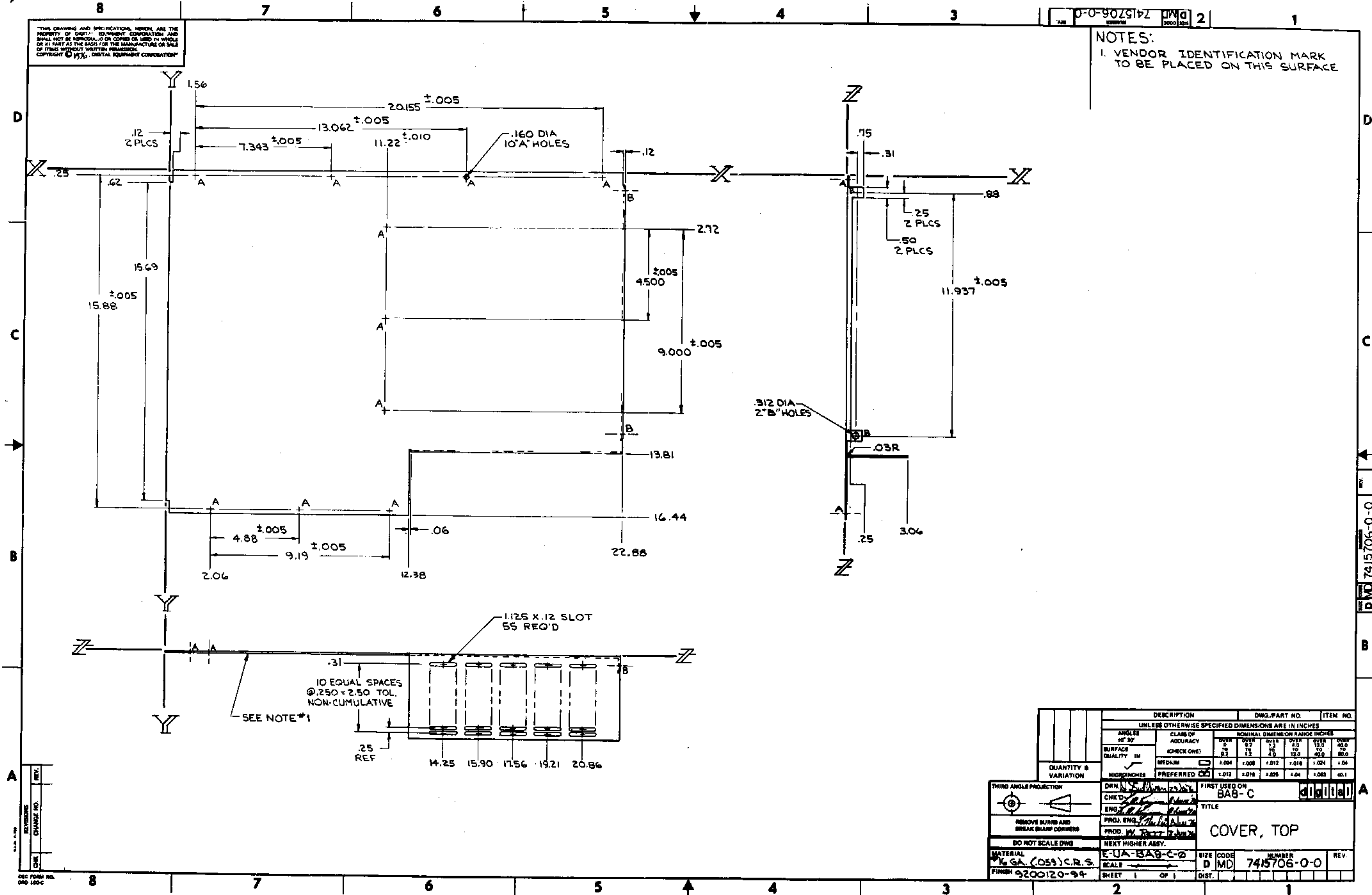
REV.	DATE	DESCRIPTION

DEC FORM NO. 080 100-C

DIA 7415703-0-0

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



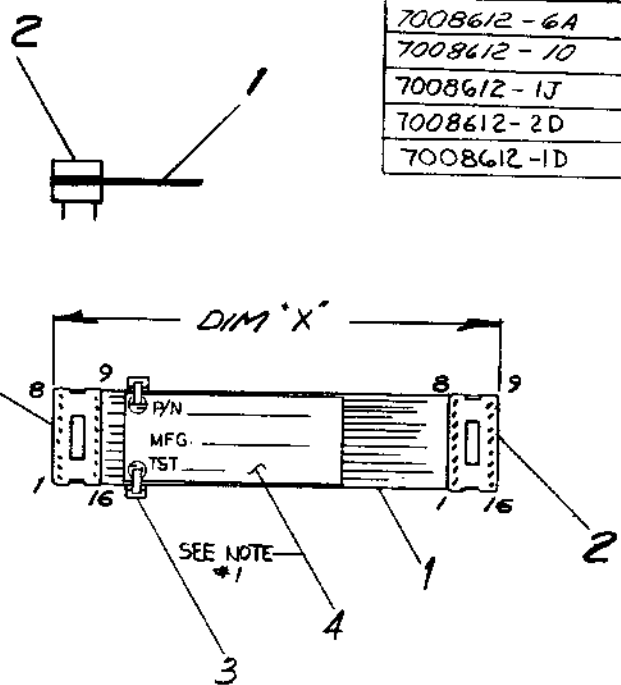
DESCRIPTION		DWG. PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES 45°/30°	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES	
SURFACE QUALITY IN	CHECK ONE!	FINISH	OTHER
		1.2	2.5
QUANTITY & VARIATION	MEDIUM	1.0	1.0
		1.0	1.0
THIRD ANGLE PROJECTION		FIRST USED ON	
REMOVE BURRS AND BREAK SHARP CORNERS		BAB-C	
DO NOT SCALE DWG		TITLE	
NEXT HIGHER ASSY.		COVER, TOP	
MATERIAL	E-1A-BAB-C-0	SIZE CODE	NUMBER
FINISH	9200120-94	DIST.	REV.

D.M.D. 7415706-0-0

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LEGEND	
NUMBER	VARIATION
7008612-0D	4 IN
7008612-1B	14 IN.
7008612-1F	18 IN.
7008612-03	3 FT.
7008612-0F	6 IN.
7008612-0K	9 IN. ± 1 IN.
7008612-4A	49 IN. ± 1 IN.
7008612-0M	11 IN.
7008612-02	2 FT. ± 1 IN.
7008612-6A	6 FT. 1 IN. ± 2 IN.
7008612-10	10 FT. ± 2 IN.
7008612-1J	20 IN.
7008612-2D	2 FT. 4 IN. ± 1 IN.
7008612-1D	16 IN.

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



REV.	CHG. NO.	DATE	BY	CHK'D	DATE	BY
A	LK 40-00001	8-8-72	R. MARTEL			
B	GT 40-00001	6-8-72	W. KERCHNER			
C	7008612-00001	10-18-72	M. MICHAUD			
D	7008612-00002	6-17-74	J. KALAGHER			
E	7008612-00003	9-24-74	J. KALAGHER			
F	LA 36-00111	6-9-75	D. MITNANSKY			
G	7008612-00006	2-4-76	R. CAMELIO			
H	7008612-00004	9-11-75	A. GERSHLOW			
I	7008612-00007	20-11-76	J. BIRO			
J	7008612-00005	25-JAN-76	D. CHANNON			
K	7008612-00006	16-10-76	D. MARTEL			
L	7008612-00007	25 April 77	D. MARTEL			
M	7008612-00008	5/4/77	D. MARTEL			
N	7008612-00009					

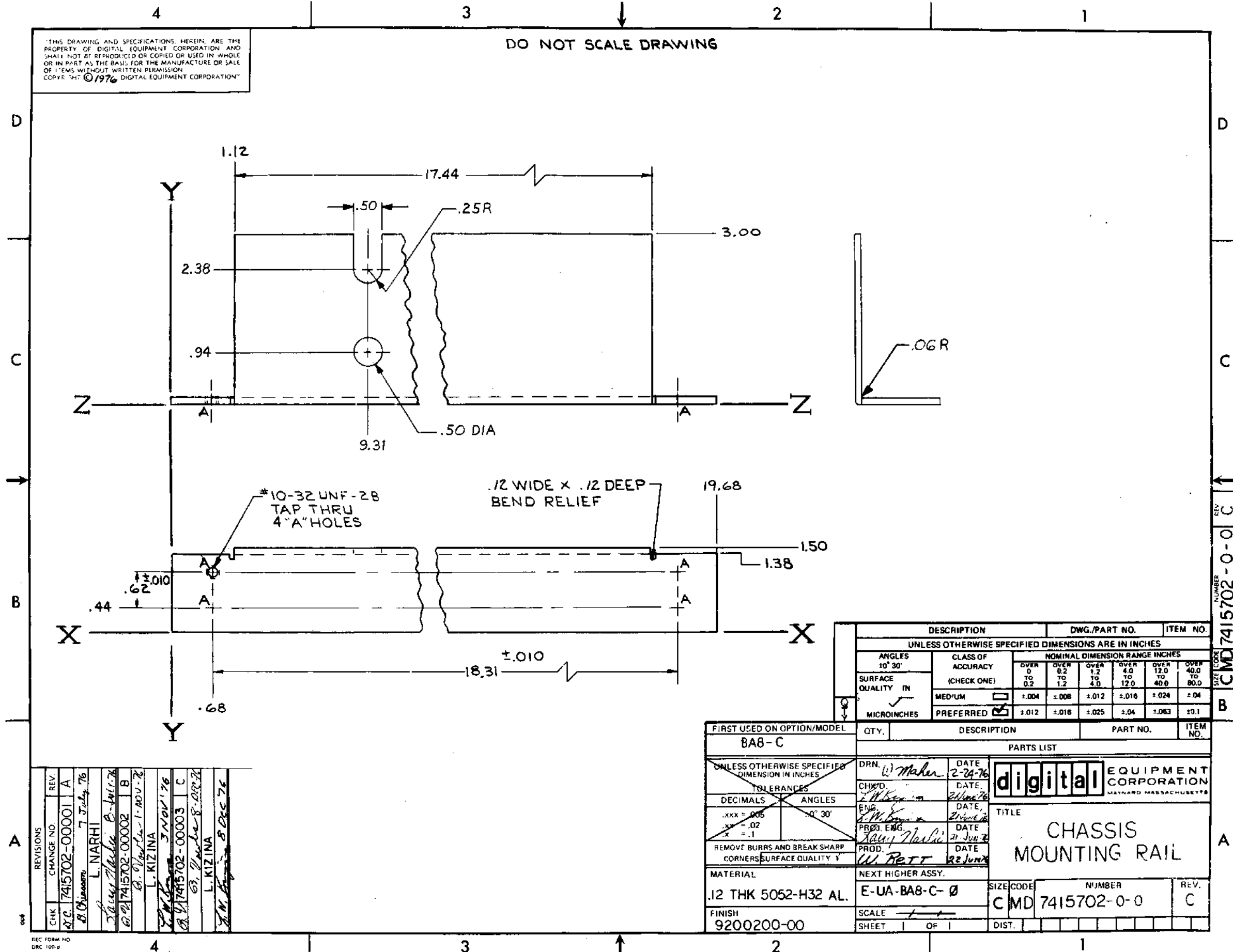
QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	LABEL, IDENTIFICATION	9009532-00	4
1	TIE, CABLE	9007031-00	3
2	SOCKET 16 CONTACTS	1216722	2
AIR	CABLE 28 AWG STRD 16 COND	2107735	1

FIRST USED ON OPTION/MODEL VT05		PARTS LIST																	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		<table border="1"> <tr> <td>DATE</td> <td>10-1-71</td> </tr> <tr> <td>CHK'D</td> <td>K. P. [Signature]</td> </tr> <tr> <td>DATE</td> <td>10-9-71</td> </tr> <tr> <td>ENG.</td> <td>K. P. [Signature]</td> </tr> <tr> <td>PROJ. ENG.</td> <td>K. P. [Signature]</td> </tr> <tr> <td>DATE</td> <td>10-14-71</td> </tr> <tr> <td>PROD.</td> <td>K. P. [Signature]</td> </tr> <tr> <td>DATE</td> <td>10-11-71</td> </tr> </table>		DATE	10-1-71	CHK'D	K. P. [Signature]	DATE	10-9-71	ENG.	K. P. [Signature]	PROJ. ENG.	K. P. [Signature]	DATE	10-14-71	PROD.	K. P. [Signature]	DATE	10-11-71
DATE	10-1-71																		
CHK'D	K. P. [Signature]																		
DATE	10-9-71																		
ENG.	K. P. [Signature]																		
PROJ. ENG.	K. P. [Signature]																		
DATE	10-14-71																		
PROD.	K. P. [Signature]																		
DATE	10-11-71																		
DECIMALS XXX - .005 XX - .02 X - .1	ANGLES ± 0° 30'	TITLE digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS CABLE, KEYBOARD																	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	MATERIAL	SIZE CODE CIA	NUMBER 7008612-0-0																
FINISH	SCALE	REV R																	
SHEET 1 OF 1	DIST.																		

NUMBER 7008612-0-0 REV. R

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DO NOT SCALE DRAWING



REV	CHANGE NO.	DATE	BY	APP'D
A	00001	7 July 76	L. NARHI	
B	00002	11 Jul 76	J. M. HARRIS	
C	00003	3 NOV 76	L. KIZINA	
			B. J. WILSON	
			L. KIZINA	
			J. M. HARRIS	

DESCRIPTION		DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES 10° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES	
SURFACE QUALITY IN MICROINCHES	MED/UM <input type="checkbox"/>	OVER 0 TO 0.2	OVER 0.2 TO 1.2
	PREFERRED <input checked="" type="checkbox"/>	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0
		OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
		±.004 ±.008 ±.012 ±.016 ±.024 ±.04	±.024 ±.04 ±.063 ±.1

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		
	UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		
	TOLERANCES		
	DECIMALS	ANGLES	
	.xxx = .005	10° 30'	
	x = .02		
	x = .1		
	REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		
	NEXT HIGHER ASSY.		
	MATERIAL	E-UA-BAB-C-Ø	
	FINISH	9200200-00	
	SCALE	1:1	
	SHEET	OF 1	
	TITLE		REV.
	CHASSIS MOUNTING RAIL		C
	SIZE CODE	NUMBER	
	CMD	7415702-0-0	

REV C
NUMBER
CMD 7415702-0-0

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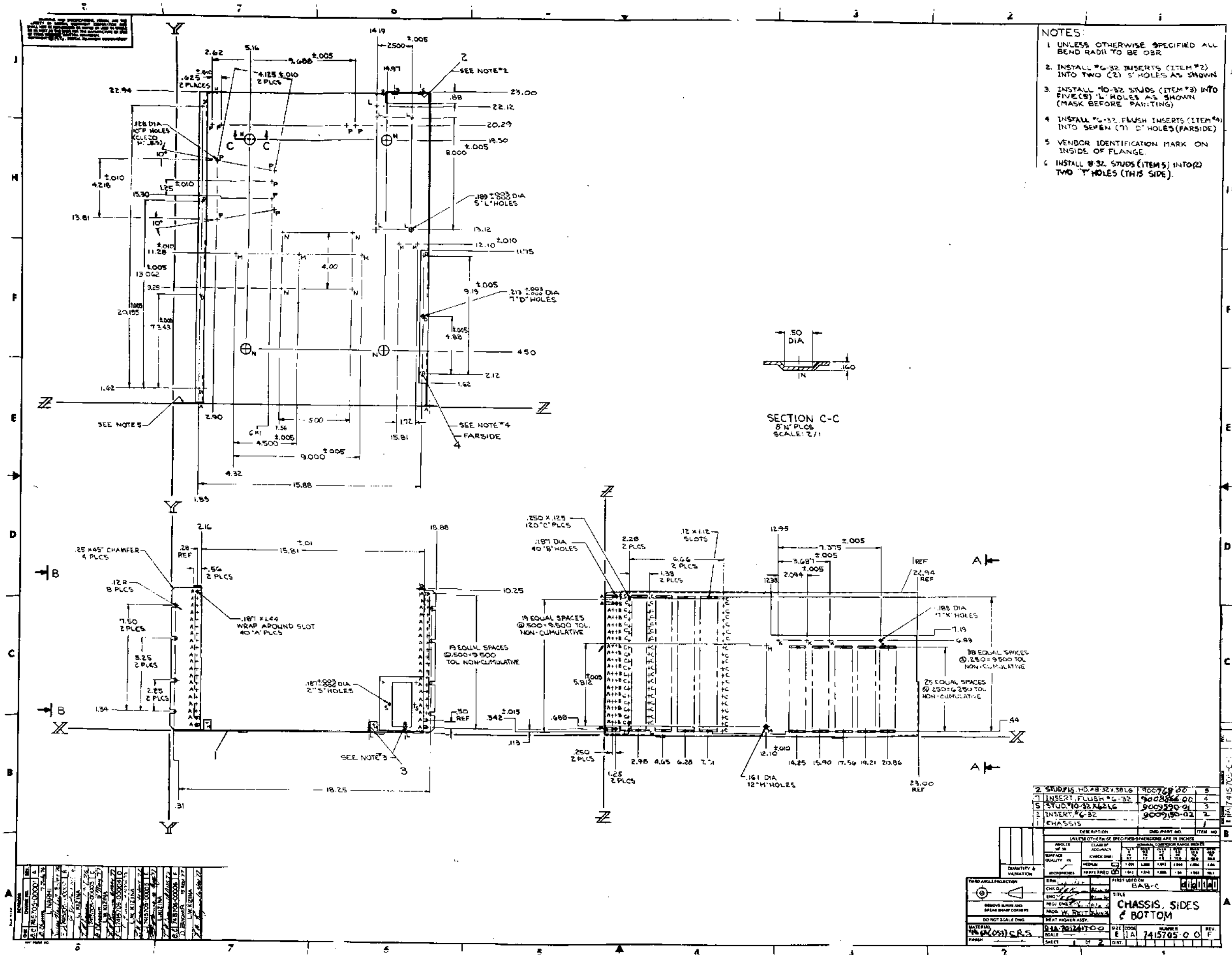
WARNING

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

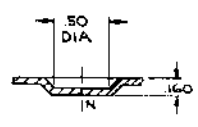
REVISIONS	CHANGE NO.	REV.
	CHK	

OSHA RED CHARACTERS ON OSHA YELLOW BACKGROUND

DRN. <i>D. Mattson</i>	<i>12 July 76</i>	FIRST USED ON	digital
CHK'D <i>L.A. Kingma</i>	<i>19 July 76</i>	<i>BA8-C</i>	
ENG. <i>L.A. Kingma</i>	<i>19 July 76</i>	TITLE	
PROJ. ENG. <i>L. Hallie</i>	<i>19 July 76</i>	WARNING LABEL	
PROD. <i>Sam Penett</i>	<i>20 July 76</i>		
NEXT HIGHER ASSY.			
<i>E-UA-BA8-C</i>	SIZE	CODE	NUMBER
SCALE	A	DC	7417273-0-0
SHEET / OF /	DIST.		REV.



- NOTES:**
- 1 UNLESS OTHERWISE SPECIFIED ALL BEND RADI TO BE OBR
 - 2 INSTALL #6-32 INSERTS (ITEM#2) INTO TWO (2) S HOLES AS SHOWN
 - 3 INSTALL #10-32 STUDS (ITEM#3) INTO FIVE (5) L HOLES AS SHOWN (MASK BEFORE PAINTING)
 - 4 INSTALL #6-32 FLUSH INSERTS (ITEM#4) INTO SEVEN (7) D HOLES (FAR SIDE)
 - 5 VENDOR IDENTIFICATION MARK ON INSIDE OF FLANGE
 - 6 INSTALL #32 STUDS (ITEM#5) INTO (2) TWO T HOLES (THIS SIDE)



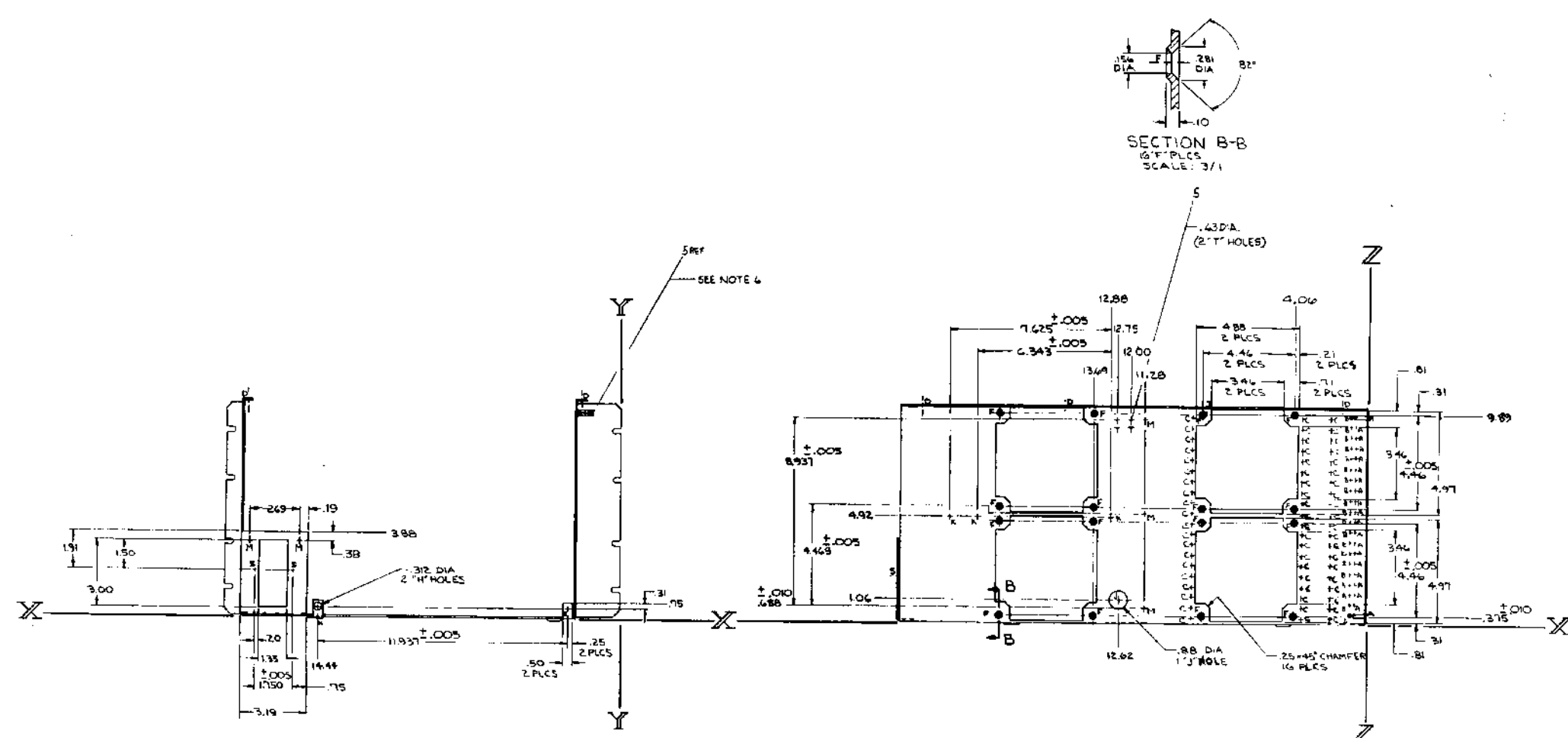
SECTION C-C
5/8" PLCS
SCALE: 2/1

2 STUDS #10-32 X 3/16 L	900769-00	5
2 INSERT FLUSH #6-32	900886-00	4
5 STUD #10-32 X 3/16 L	900923-01	3
2 INSERT #6-32	900930-01	2
CHASSIS		

PART NO. 7415705-00		REV. 00	
DESCRIPTION: CHASSIS SIDES & BOTTOM			
DATE: 11/11/00	BY: [Signature]	CHK'D: [Signature]	APP'D: [Signature]
DESIGNED BY: [Signature]	ENGR. BY: [Signature]	PROJ. ENGR. BY: [Signature]	PROJ. MGR. BY: [Signature]
DO NOT SCALE DIMS	SCALE: 1/1	SHEET: 1	TOTAL SHEETS: 2

1	1/2" DIA. HOLES	4	PLCS
2	1/8" DIA. HOLES	4	PLCS
3	1/8" DIA. HOLES	2	PLCS
4	1/8" DIA. HOLES	2	PLCS
5	1/8" DIA. HOLES	2	PLCS
6	1/8" DIA. HOLES	2	PLCS
7	1/8" DIA. HOLES	2	PLCS
8	1/8" DIA. HOLES	2	PLCS
9	1/8" DIA. HOLES	2	PLCS
10	1/8" DIA. HOLES	2	PLCS
11	1/8" DIA. HOLES	2	PLCS
12	1/8" DIA. HOLES	2	PLCS
13	1/8" DIA. HOLES	2	PLCS
14	1/8" DIA. HOLES	2	PLCS
15	1/8" DIA. HOLES	2	PLCS
16	1/8" DIA. HOLES	2	PLCS
17	1/8" DIA. HOLES	2	PLCS
18	1/8" DIA. HOLES	2	PLCS
19	1/8" DIA. HOLES	2	PLCS
20	1/8" DIA. HOLES	2	PLCS
21	1/8" DIA. HOLES	2	PLCS
22	1/8" DIA. HOLES	2	PLCS
23	1/8" DIA. HOLES	2	PLCS
24	1/8" DIA. HOLES	2	PLCS
25	1/8" DIA. HOLES	2	PLCS
26	1/8" DIA. HOLES	2	PLCS
27	1/8" DIA. HOLES	2	PLCS
28	1/8" DIA. HOLES	2	PLCS
29	1/8" DIA. HOLES	2	PLCS
30	1/8" DIA. HOLES	2	PLCS
31	1/8" DIA. HOLES	2	PLCS
32	1/8" DIA. HOLES	2	PLCS
33	1/8" DIA. HOLES	2	PLCS
34	1/8" DIA. HOLES	2	PLCS
35	1/8" DIA. HOLES	2	PLCS
36	1/8" DIA. HOLES	2	PLCS
37	1/8" DIA. HOLES	2	PLCS
38	1/8" DIA. HOLES	2	PLCS
39	1/8" DIA. HOLES	2	PLCS
40	1/8" DIA. HOLES	2	PLCS
41	1/8" DIA. HOLES	2	PLCS
42	1/8" DIA. HOLES	2	PLCS
43	1/8" DIA. HOLES	2	PLCS
44	1/8" DIA. HOLES	2	PLCS
45	1/8" DIA. HOLES	2	PLCS
46	1/8" DIA. HOLES	2	PLCS
47	1/8" DIA. HOLES	2	PLCS
48	1/8" DIA. HOLES	2	PLCS
49	1/8" DIA. HOLES	2	PLCS
50	1/8" DIA. HOLES	2	PLCS
51	1/8" DIA. HOLES	2	PLCS
52	1/8" DIA. HOLES	2	PLCS
53	1/8" DIA. HOLES	2	PLCS
54	1/8" DIA. HOLES	2	PLCS
55	1/8" DIA. HOLES	2	PLCS
56	1/8" DIA. HOLES	2	PLCS
57	1/8" DIA. HOLES	2	PLCS
58	1/8" DIA. HOLES	2	PLCS
59	1/8" DIA. HOLES	2	PLCS
60	1/8" DIA. HOLES	2	PLCS
61	1/8" DIA. HOLES	2	PLCS
62	1/8" DIA. HOLES	2	PLCS
63	1/8" DIA. HOLES	2	PLCS
64	1/8" DIA. HOLES	2	PLCS
65	1/8" DIA. HOLES	2	PLCS
66	1/8" DIA. HOLES	2	PLCS
67	1/8" DIA. HOLES	2	PLCS
68	1/8" DIA. HOLES	2	PLCS
69	1/8" DIA. HOLES	2	PLCS
70	1/8" DIA. HOLES	2	PLCS
71	1/8" DIA. HOLES	2	PLCS
72	1/8" DIA. HOLES	2	PLCS
73	1/8" DIA. HOLES	2	PLCS
74	1/8" DIA. HOLES	2	PLCS
75	1/8" DIA. HOLES	2	PLCS
76	1/8" DIA. HOLES	2	PLCS
77	1/8" DIA. HOLES	2	PLCS
78	1/8" DIA. HOLES	2	PLCS
79	1/8" DIA. HOLES	2	PLCS
80	1/8" DIA. HOLES	2	PLCS
81	1/8" DIA. HOLES	2	PLCS
82	1/8" DIA. HOLES	2	PLCS
83	1/8" DIA. HOLES	2	PLCS
84	1/8" DIA. HOLES	2	PLCS
85	1/8" DIA. HOLES	2	PLCS
86	1/8" DIA. HOLES	2	PLCS
87	1/8" DIA. HOLES	2	PLCS
88	1/8" DIA. HOLES	2	PLCS
89	1/8" DIA. HOLES	2	PLCS
90	1/8" DIA. HOLES	2	PLCS
91	1/8" DIA. HOLES	2	PLCS
92	1/8" DIA. HOLES	2	PLCS
93	1/8" DIA. HOLES	2	PLCS
94	1/8" DIA. HOLES	2	PLCS
95	1/8" DIA. HOLES	2	PLCS
96	1/8" DIA. HOLES	2	PLCS
97	1/8" DIA. HOLES	2	PLCS
98	1/8" DIA. HOLES	2	PLCS
99	1/8" DIA. HOLES	2	PLCS
100	1/8" DIA. HOLES	2	PLCS

ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES AND DECIMALS THEREOF.
 DIMENSIONS IN PARENTHESES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN SQUARE BRACKETS ARE FOR INFORMATION ONLY.



VIEW A-A
 (REAR VIEW)
 SCALE: NONE

VIEW B-B
 (LEFT SIDE VIEW)
 SCALE: NONE

REV	CHG NO	REV

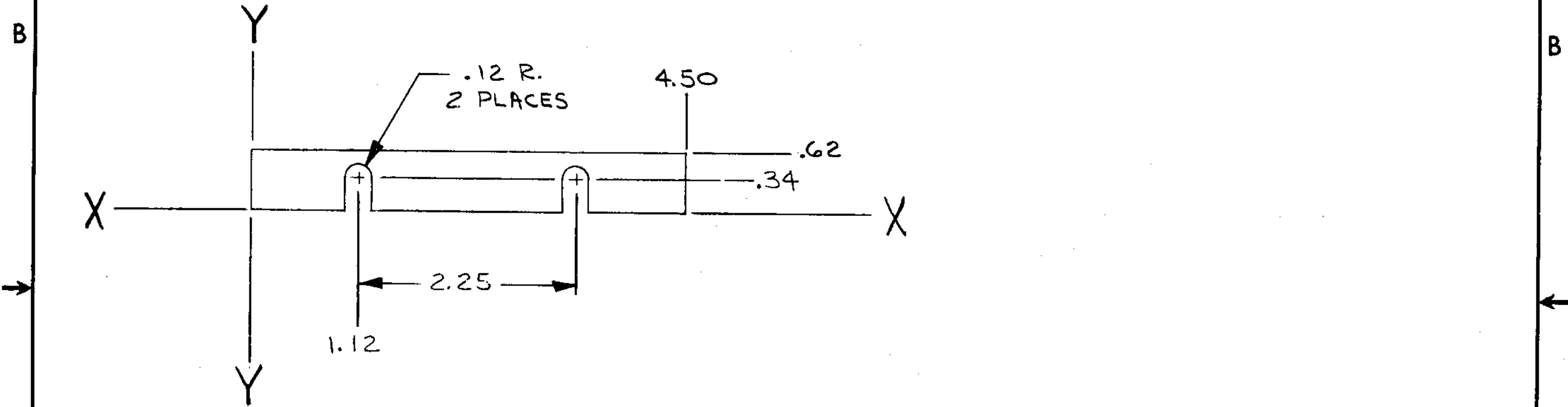
TITLE	CHASSIS, SIDES & BOTTOM	DESIGNER	EIA	NUMBER	7415705 0 0	REV	F
SCALE		SHEET	2	OF	2	DATE	

100% INSPECTION REQUIRED
 7415705-0-d.f.


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DO NOT SCALE DRAWING

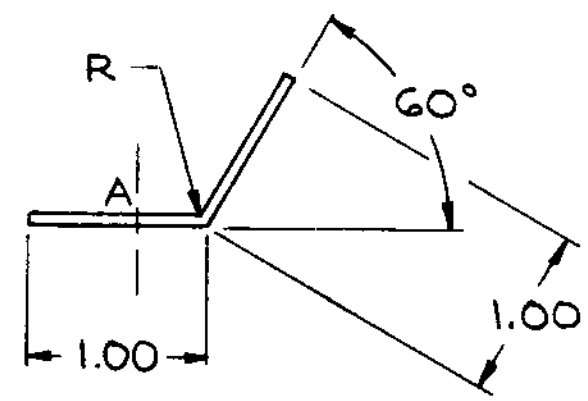
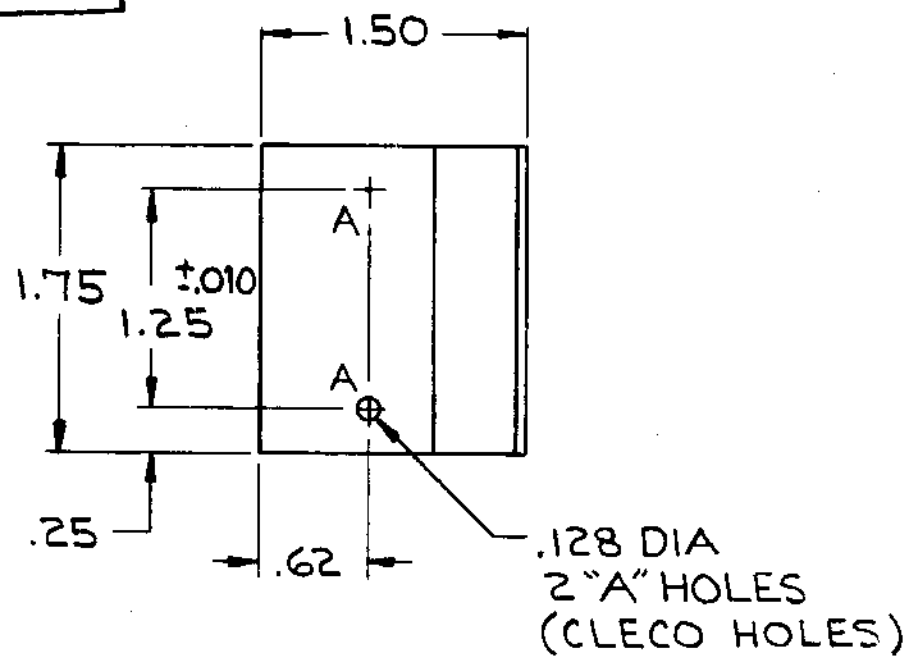


REVISIONS	REV.
CHANGE NO.	
CHK	

FIRST USED ON OPTION/MODEL H9300	QTY.	DESCRIPTION	PART NO.	ITEM NO.	
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN. <i>K. Davis</i>	DATE 1-29-75			
	CHK'D. <i>S. Roberts</i>	DATE 2-4-75			
TOLERANCES	ENG. <i>J. Salgado</i>	DATE 2-4-75			
	PROJ. ENG. <i>J. Salgado</i>	DATE 2-4-75			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	PROD. <i>W. Rett</i>	DATE 2-4-75	TITLE SPACER, CHASSIS		
MATERIAL 12 GAG.104 THK.) C.R.S.	NEXT HIGHER ASSY.				
FINISH / /	E-IA-7009754-0-0	SCALE 1/1	SIZE CODE B MD	NUMBER 7413499-0-0	REV.
	SHEET 1 OF		DIST.		

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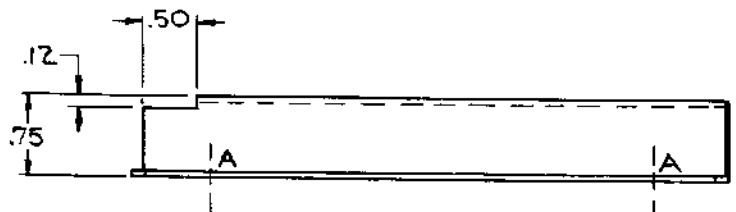
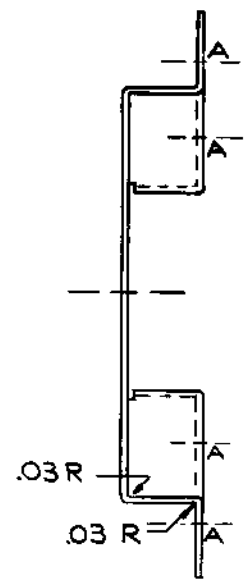
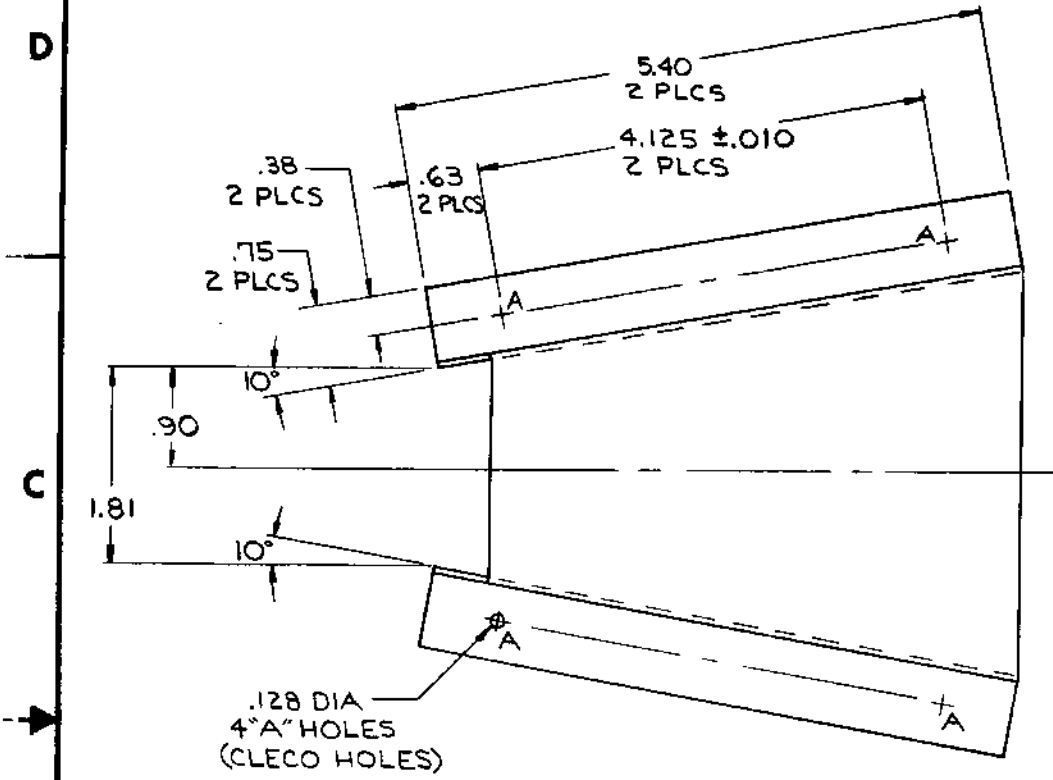
REV. 0-0-7416407-0-0
 SIZE CODE B MD
 NUMBER 7416407-0-0



DESCRIPTION		DWG./PART NO.		ITEM NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES							
ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES					
SURFACE QUALITY IN		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
MICROINCHES	MEDIUM <input type="checkbox"/>	±.004	±.008	±.012	±.016	±.024	±.04
	PREFERRED <input checked="" type="checkbox"/>	±.012	±.016	±.025	±.04	±.063	±.1
THIRD ANGLE PROJECTION	DRN. <i>[Signature]</i> 9/11/76	FIRST USED ON					
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D. <i>[Signature]</i> 9/11/76	BA8-C digital					
DO NOT SCALE DWG	ENG. <i>[Signature]</i> 9/11/76	TITLE					
MATERIAL	PROJ. ENG. <i>[Signature]</i> 9/11/76	TAB, BAFFLE					
FINISH	PROD. <i>[Signature]</i> 9/11/76	NEXT HIGHER ASSY.		MATERIAL			
		D-IA-7012417-0-0		SIZE CODE	NUMBER		
		SCALE 1/1		B MD	7416407-0-0		
		SHEET 1 OF 1		DIST.	REV.		

REVISIONS	REV.
CHANGE NO.	
CHK	

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REV.	
CHANGE NO.	
CHK	

QUANTITY & VARIATION	DESCRIPTION	DWG./PART NO.	ITEM NO.																			
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES																					
THIRD ANGLE PROJECTION	ANGLES 30° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES																			
	SURFACE QUALITY IN MICRONS	MEDIUM <input type="checkbox"/>	<table border="1"> <tr> <th>OVER 0 TO 0.2</th> <th>OVER 0.2 TO 1.2</th> <th>OVER 1.2 TO 4.0</th> <th>OVER 4.0 TO 12.0</th> <th>OVER 12.0 TO 40.0</th> <th>OVER 40.0 TO 80.0</th> </tr> <tr> <td>±.004</td> <td>±.008</td> <td>±.012</td> <td>±.018</td> <td>±.024</td> <td>±.04</td> </tr> <tr> <td colspan="2">PREFERRED <input checked="" type="checkbox"/></td> <td>±.012</td> <td>±.018</td> <td>±.025</td> <td>±.04</td> <td>±.063</td> <td>±.1</td> </tr> </table>	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	±.004	±.008	±.012	±.018	±.024	±.04	PREFERRED <input checked="" type="checkbox"/>		±.012	±.018	±.025	±.04	±.063
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																
±.004	±.008	±.012	±.018	±.024	±.04																	
PREFERRED <input checked="" type="checkbox"/>		±.012	±.018	±.025	±.04	±.063	±.1															
REMOVE BURRS AND BREAK SHARP CORNERS	DRN <i>[Signature]</i>	FIRST USED ON BA8-C digital																				
DO NOT SCALE DWG	CHK <i>[Signature]</i>	TITLE BAFFLE, AIR																				
MATERIAL 16 GA (.059 THK) C.R.S.	PROJ. ENG. <i>[Signature]</i>	NEXT HIGHER ASSY.																				
FINISH	PROD. <i>[Signature]</i>	MATERIAL D-1A-7012417-0-0	SIZE CODE C MD																			
		SCALE 1/1	NUMBER 7416406-0-0																			
		SHEET OF	REV.																			

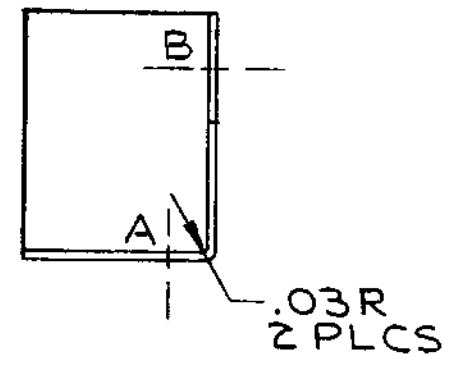
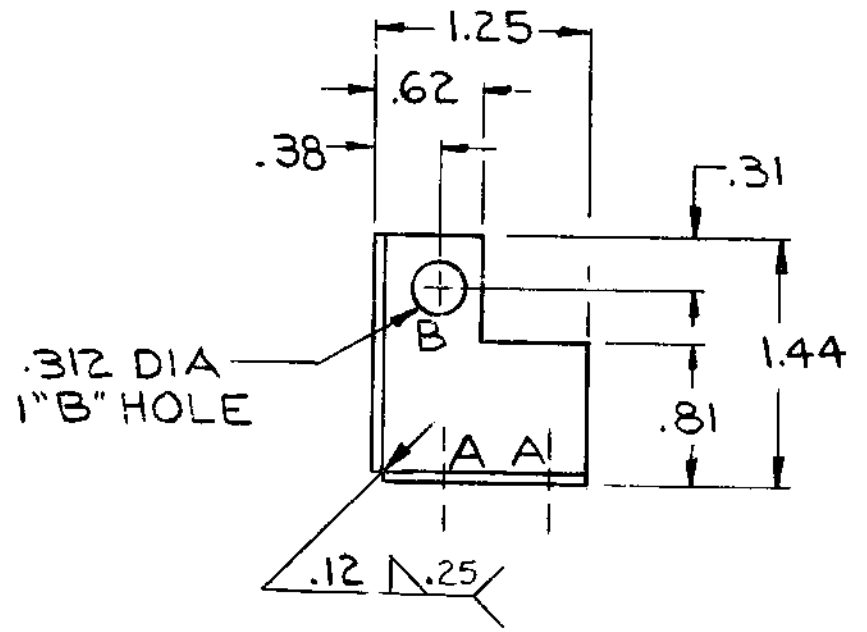
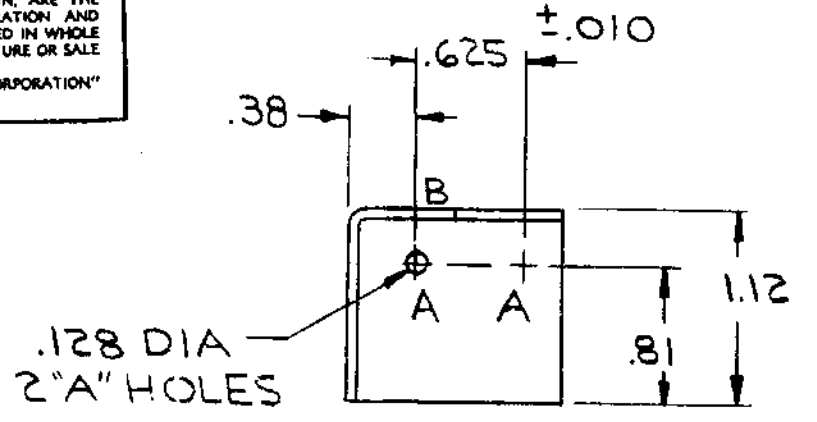
SIZE CODE C MD NUMBER 7416406-0-0 REV.

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REV. A
 NUMBER 7416468-0-0
 SIZE CODE B MD
 2

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

NOTES:



REVISIONS	CHANGE NO.	REV.
1	7416468-ML001	A
2	7416468-ML001	A
3	7416468-ML001	A
4	7416468-ML001	A

C. NORRIS

DESCRIPTION	DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
ANGLES ±0° 30'	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES
SURFACE QUALITY IN MICROINCHES	CHECK ONE	OVER 0 TO 0.2
		OVER 0.2 TO 1.2
MEDIUM <input type="checkbox"/>	PREFERRED <input checked="" type="checkbox"/>	OVER 1.2 TO 4.0
		OVER 4.0 TO 12.0
±.004	±.012	OVER 12.0 TO 40.0
		OVER 40.0 TO 80.0
±.008	±.016	±.024
±.012	±.016	±.025
±.016	±.04	±.063
±.04	±.063	±.1

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

16 GA. (0.59 THK) C.R.S.

FINISH

DRN. *[Signature]* 10/27/76

CHK'D. *[Signature]* 11/2/76

ENG. *[Signature]* 11/2/76

PROJ. ENG. *[Signature]* JUN 76

PROD. *[Signature]* JUN 76

NEXT HIGHER ASSY.

FIRST USED ON BA8-C

TITLE BRK'T, REG BD. SUPPORT

SIZE CODE B MD

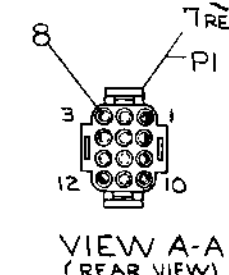
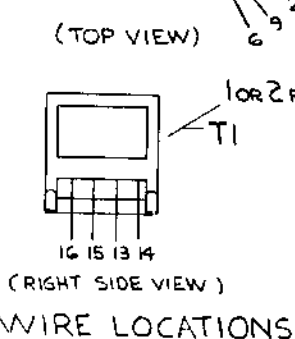
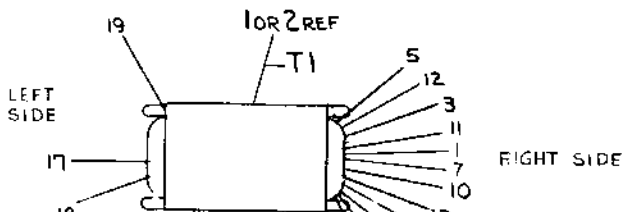
NUMBER 7416468-0-0

REV A

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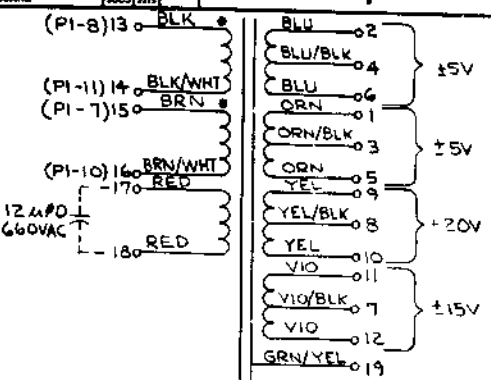
WIRE TABLE

ITEM NO.	DESCRIPTION	FROM	WITH	CONN	WITH	WIRE LENGTH
14	RED	T1-18	3			4.50 IN
14	RED	T1-17	3			4.50 IN
12	ORN	T1-1	5			14.50 IN
12	BLU	T1-2				13.50 IN
12	ORN/BLK	T1-3				14.50 IN
12	BLU/BLK	T1-4				12.50 IN
12	ORN	T1-5				14.00 IN
12	BLU	T1-6	5			12.00 IN
14	VIO/BLK	T1-7	4			11.00 IN
14	YEL/BLK	T1-8				10.50 IN
14	YEL	T1-9				9.50 IN
14	YEL	T1-10				10.00 IN
14	VIO	T1-11				10.00 IN
14	VIO	T1-12	4			10.50 IN
14	BRN	T1-15		PI-7	8	9.00 IN
14	BLK	T1-13		PI-8		9.00 IN
14	BRN/WHT	T1-16		PI-10		9.00 IN
14	BLK/WHT	T1-14		PI-11		9.00 IN
9	14	BLK	PI-1	8	PI-6	2.50 IN
9	14	BLK	PI-2	8	PI-12	3.00 IN
9	14	BLK	PI-3	8	PI-9	2.50 IN
9	14	BLK	PI-4	8	PI-5	2.50 IN
1 OR 2	14	GRN/YEL	T1-19	4		6.00 IN

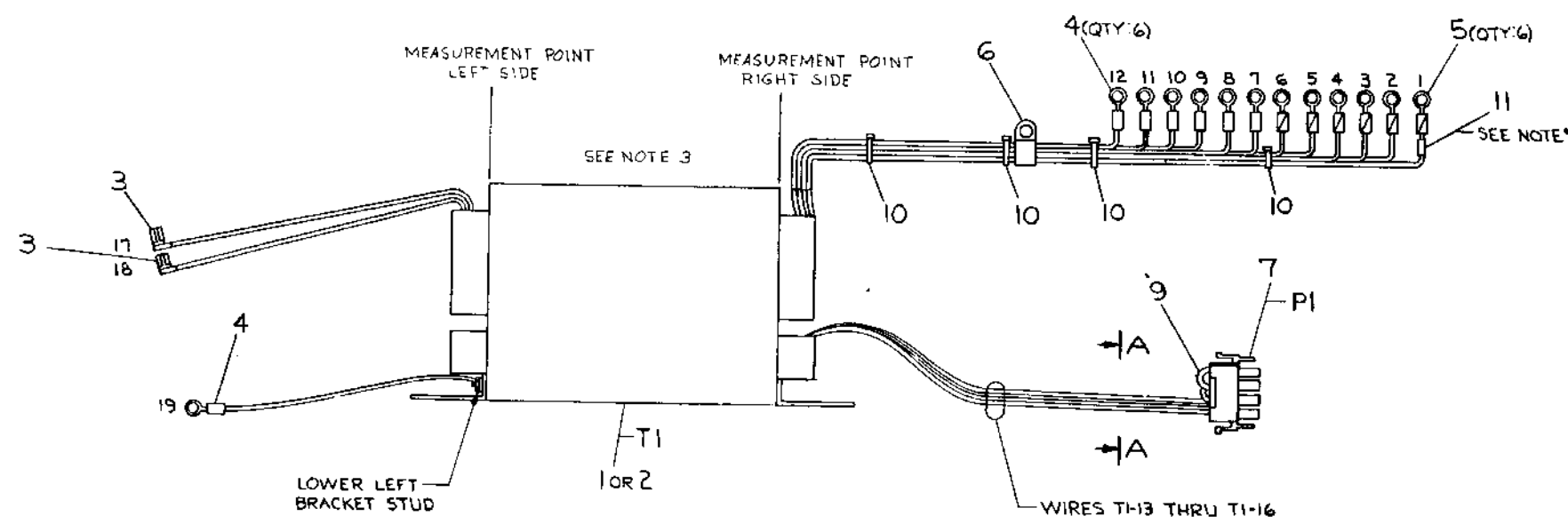


LEGEND

NUMBER	VARIATION
7012373-00	60 HZ
7012373-01	50 HZ



- ### NOTES:
- WIRES T1-1 THRU T1-12 ON TRANSFORMER (ITEM #1 OR 2) TO BE NUMBERED PER DRAWING WITH MARKERS (ITEM #11) OR EQUIVALENT. MARKERS TO BE PLACED BELOW CRIMP TERMINALS (ITEM #4 & 5)
 - ALL WIRE LENGTHS TAKEN BEFORE TERMINALS ASSEMBLED, TAKEN FROM CORE STACK.
 - IF LEAD #7 (VIO/BLK) COMES OUT ON LEFT SIDE LEAD LENGTH WILL BE 21.00 IN.



QTY	DESCRIPTION	DWG PART NO.	ITEM NO.
11	MARKERS, SELF-STICK, TERM	9008356-01	11
4	TIE, CABLE	9007032	10
4	WIRE #14 AWG STRD (BLK)	9107370-00	9
12	CONTACT, SOCKET	1212170-00	8
1	CONNECTOR, PLUG, 12 PIN	1212167-03	7
1	CLAMP, CABLE 11/16	9007088	6
6	TERM RING TONGUE #12-10	9007926-01	5
7	TERM RING TONGUE #16-14	9007928-00	4
2	FASTON, FLAG TYPE	9006998	3
-	TRANSFORMER, 60 HZ	1613085-00	2
1	TRANSFORMER, 50 HZ	1613084-00	1

CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES
ANGLES 10° 30'	0.000 - 0.001
SURFACE QUALITY IN	0.001 - 0.002
QUANTITY & VARIATION	0.002 - 0.003
	0.003 - 0.004
	0.004 - 0.005
	0.005 - 0.006
	0.006 - 0.007
	0.007 - 0.008
	0.008 - 0.009
	0.009 - 0.010
	0.010 - 0.011
	0.011 - 0.012
	0.012 - 0.013
	0.013 - 0.014
	0.014 - 0.015
	0.015 - 0.016
	0.016 - 0.017
	0.017 - 0.018
	0.018 - 0.019
	0.019 - 0.020
	0.020 - 0.021
	0.021 - 0.022
	0.022 - 0.023
	0.023 - 0.024
	0.024 - 0.025
	0.025 - 0.026
	0.026 - 0.027
	0.027 - 0.028
	0.028 - 0.029
	0.029 - 0.030
	0.030 - 0.031
	0.031 - 0.032
	0.032 - 0.033
	0.033 - 0.034
	0.034 - 0.035
	0.035 - 0.036
	0.036 - 0.037
	0.037 - 0.038
	0.038 - 0.039
	0.039 - 0.040
	0.040 - 0.041
	0.041 - 0.042
	0.042 - 0.043
	0.043 - 0.044
	0.044 - 0.045
	0.045 - 0.046
	0.046 - 0.047
	0.047 - 0.048
	0.048 - 0.049
	0.049 - 0.050
	0.050 - 0.051
	0.051 - 0.052
	0.052 - 0.053
	0.053 - 0.054
	0.054 - 0.055
	0.055 - 0.056
	0.056 - 0.057
	0.057 - 0.058
	0.058 - 0.059
	0.059 - 0.060

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL SEE PARTS LIST

FINISH

FIRST USED ON: BAB-C digital

TITLE: TRANSFORMER ASSEMBLY

PROJECT ENGINEER: [Signature]

PROJECT: [Signature]

PROD: [Signature]

SIZE: D

CODE: 1A

NUMBER: 7012373-0-0

REV: C

SHEET 1 OF 1

REV.	CHANGE NO.	DATE	BY	CHKD
1	1	10/1/70	L. KIZUNA	L. KIZUNA
2	1	10/1/70	L. KIZUNA	L. KIZUNA
3	1	10/1/70	L. KIZUNA	L. KIZUNA
4	1	10/1/70	L. KIZUNA	L. KIZUNA
5	1	10/1/70	L. KIZUNA	L. KIZUNA
6	1	10/1/70	L. KIZUNA	L. KIZUNA
7	1	10/1/70	L. KIZUNA	L. KIZUNA
8	1	10/1/70	L. KIZUNA	L. KIZUNA

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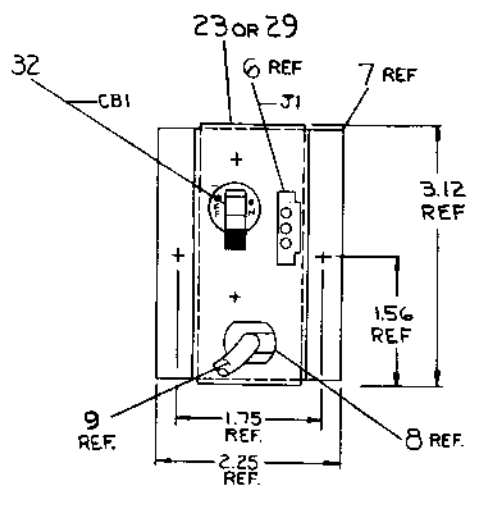
WIRE TABLE - ILLUSTRATION 1							
ITEM NO.	AWG	COLOR	FROM CONN	WITH	TO CONN	WITH	WIRE LENGTH
18	14	BRN/YEL	PI-1	1.8 ± .21	G3	28	16.0 ± .25 IN
4	18	YEL	PI-2		J1-2	6.8 ± .22	16.5 ± .25 IN
5	18	BRN	PI-3		J1-1	6.8 ± .22	16.5 ± .25 IN
3	18	GRN	PI-4		J1-3	6.8 ± .22	16.5 ± .25 IN
14	14	BRN	PI-5	1.8 ± .21	CBI - LOAD	28 ± .15	15.5 ± .25 IN
9	14	BLU			PI-6	1.8 ± .21	15.5 ± .25 IN
		GRN/YEL			G2	28	5.0 ± .25 IN
		BRN			CBI - LINE	28 ± .15	4.5 ± .25 IN

DO NOT SCALE DRAWING

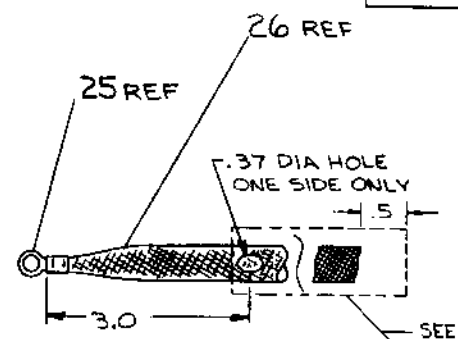
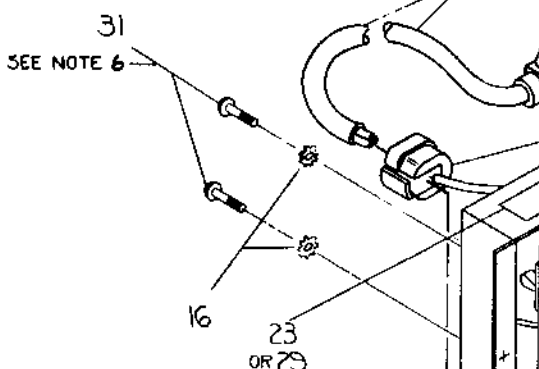
LEGEND	
NUMBER	VARIATION
ILLUSTRATION 1	7012375-00 115V, 60HZ, 12A
ILLUSTRATION 2	7012375-01 115V, 50HZ, 12A
	7012375-03 230V, 50HZ, 6A

- NOTES:
- ASSEMBLE CIRCUIT BREAKER (ITEM 32 OR 33) TO COVER (ITEM 7) BEFORE ADDING SHRINK TUBING (ITEM 15).
 - MEASUREMENT FOR WIRE LENGTHS TO BE TAKEN FROM END OF JACKET. (ITEM 9 OR 10)
 - REMOVE TABS OF (ITEM 6) BOTH SIDES BEFORE ASSEMBLING COVER (ITEM 7).
 - SOLDERLESS CONN. SCREWS ARE SUPPLIED WITH ITEM 32 OR 33. TORQUE TO 15 IN. LBS.
 - SHRINK TUBING SHOULD EXTEND 1/2 IN. OVER NON TERMINATED END OF SHIELDING
 - TORQUE TO 13 INCH POUNDS

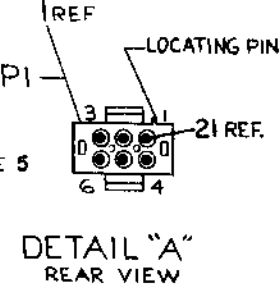
- STRIP BACK APPROX. .25 IN.
- STRIP BACK APPROX. .3 IN. FIRMLY TIGHTEN SCREW. TERMINALS.



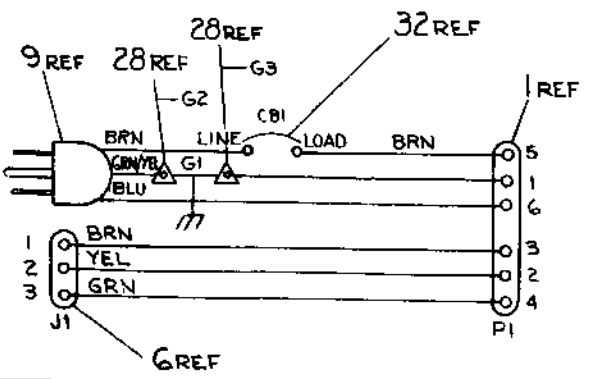
FRONT VIEW



DETAIL "C" SCALE: NONE WIRES REMOVED



DETAIL "A" REAR VIEW



DETAIL "B" REAR VIEW

ILLUSTRATION 1

QTY	DESCRIPTION	QTY	DESCRIPTION	QTY	DESCRIPTION
1	DECAL, 1000 WATT	7420657	44		
1	INSULATOR PLATE	7420674	43		
1	DECAL, GND	3612680-01	42		
1	STRAIN RELIEF	9009768-00	41		
1	CAPACITOR, RFI SUPPRESSION	1014652	40		
1	TERMINATION BLOCK, 3 TERM.	1214678	39		
1	BRACKET, FILTER-BLOCK	7419716	38		
1	WIRE SPLICE, BUTT	9008091	37		
AR	WIRE, #18 AWG STRD. (BLU)	9107786-66	36		
1	WASHER, FLAT	9006653	35		
2	SCREW, PHIL. PAN HD. 4-40 X .875 L	9006016-01	34		
1	CIRCUIT BREAKER 6A	1214051-02	33		
1	CIRCUIT BREAKER 12A	1214051-01	32		
3	SCREW, PHIL. PAN HD. 3/32 X .25 LG	9006020-01	31		
1	DECAL, 230V, 50HZ, 5.25A	A-DC-7416202-40	30		
1	DECAL, 115V, 50HZ, 10.5A	A-DC-7416202-30	29		
3	CONN. SOLDERLESS #16-14	9007928-00	28		
1	CONN. SOLDERLESS #22-16	9007930-00	27		
AR	SHIELDING, BRAIDED 15 ± .25 IN.	9107682-00	26		
1	TERMINAL, RING TONGUE	9007924-01	25		
1	DECAL, 230V, 50HZ, 5.25A	A-DC-7416202-1-0	24		
1	DECAL, 115V, 60HZ, 10.5A	A-DC-7416202-2-0	23		
3	CONTACT, SOCKET	1209379-00	22		
6	CONTACT, SOCKET	1212170-00	21		
1	NUT, WEP #4-32	9006560-00	20		
1	WASHER, FLAT, 3/16 X 1/8 X .032 THK	9006653-00	19		
AR	WIRE, #14 AWG STRD. (GRN/YEL)	9107777-54	18		
1	CONN. SOLDERLESS #16-14	9007927-00	17		
3	WASHER, EXT. TOOTH LOCK #6	9007649	16		
AR	TUBING, SHRINK 2.00 LG	9107252-09	15		
AR	WIRE, #14 AWG STRD. (BRN)	9107787-11	14		
1	HOLDER, FUSE, 20A 250V	1212893-00	13		
1	FUSE, 12 AMP, 250V	9008299-00	12		
1	FUSE, 6 AMP, 250V	9008299-00	11		
1	POWER CORD, 240V (3M)	1700043-00	10		
1	POWER CORD, 115V (9 FT)	9107673-09	9		
1	STRAIN RELIEF	9009969-00	8		
1	COVER, LINE SET	GMD-7419004-0-0	7		
1	HOUSING, CONN (3 PIN)	1209350-03	6		
AR	WIRE, #18 AWG STRD. (BRN)	9107360-11	5		
AR	WIRE, #18 AWG STRD. (YEL)	9107360-44	4		
AR	WIRE, #18 AWG STRD. (GRN)	9107360-55	3		
AR	TUBING, SHRINK 12.5 ± .25 IN.	9107250-00	2		
1	CONNECTOR PLUG, 6 PIN	1212167-06	1		

REV.	DATE	BY	CHKD.	APP'D.	DESCRIPTION
1	10/12/77	W. KERCHNER			INITIAL RELEASE
2	10/12/77	W. KERCHNER			REVISION
3	10/12/77	W. KERCHNER			REVISION
4	10/12/77	W. KERCHNER			REVISION
5	10/12/77	W. KERCHNER			REVISION
6	10/12/77	W. KERCHNER			REVISION
7	10/12/77	W. KERCHNER			REVISION
8	10/12/77	W. KERCHNER			REVISION

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL SEE PARTS LIST

FINISH

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

CLASS OF ACCURACY	SIZE	FR	CS	MS	SS	AL	BR	CP	IN
1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
2	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
3	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
4	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
5	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
6	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
7	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
8	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
9	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
10	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005

QUANTITY & VARIATION

DWG. PART NO. 7012375-00

ITEM NO.

FIRST USED ON BAB-C

TITLE LINE SET ASSEMBLY (BA8-C)

SIZE CODE D AD

NUMBER 7012375-0-0

REV. K

SHEET 1 OF 2

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WIRE TABLE								REMARKS
ITEM NO.	AWG	COLOR	CONN	WITH	CONN	WITH	LENGTH	
18	14	GRN/YEL	PI-1	Z1E1	G2	ZB	16.0 ± .25 IN.	
4	18	YEL	PI-2		J1-2	G22	16.5 ± .25 IN.	
5	18	BRN	PI-3		J1-1	G22	16.5 ± .25 IN.	
3	18	GRN	PI-4		J1-3	G22	16.5 ± .25 IN.	
14	14	BRN	PI-5	Z1E1	CBI-LOAD	ZB#15	15.5 ± .25 IN.	
10	18	BLUE		STRIP	J2-NL	STRIP	6.5 ± .25 IN.	SEE NOTE 8
		GRN/YEL			J2-JL		7.5 ± .25 IN.	
		BRN			J2-LL		6.5 ± .25 IN.	
18	14	GRN/YEL	J2-N	STRIP	G2	ZB	8.0 ± .25 IN.	
40	18	BLK	CI-1		J2-LN	STRIP	3.2 ± .15 IN.	SEE NOTE 8
			CI-2		CBI-LINE	16E27	3.2 ± .15 IN.	
			CI-4		J2-NM	STRIP	1.0 ± .15 IN.	
			CI-3				3.2 ± .15 IN.	
36	18	BLUE	PI-6	Z1E1	WS1	37	14.5 ± .25 IN.	SEE NOTE 7
26					G5	25	15 ± .25 IN.	SEE DETAIL 'C'

DO NOT SCALE DRAWING

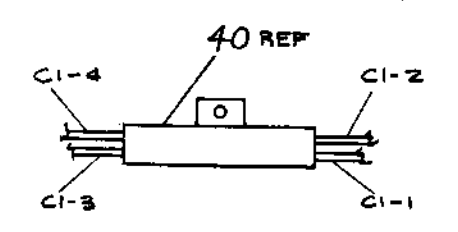
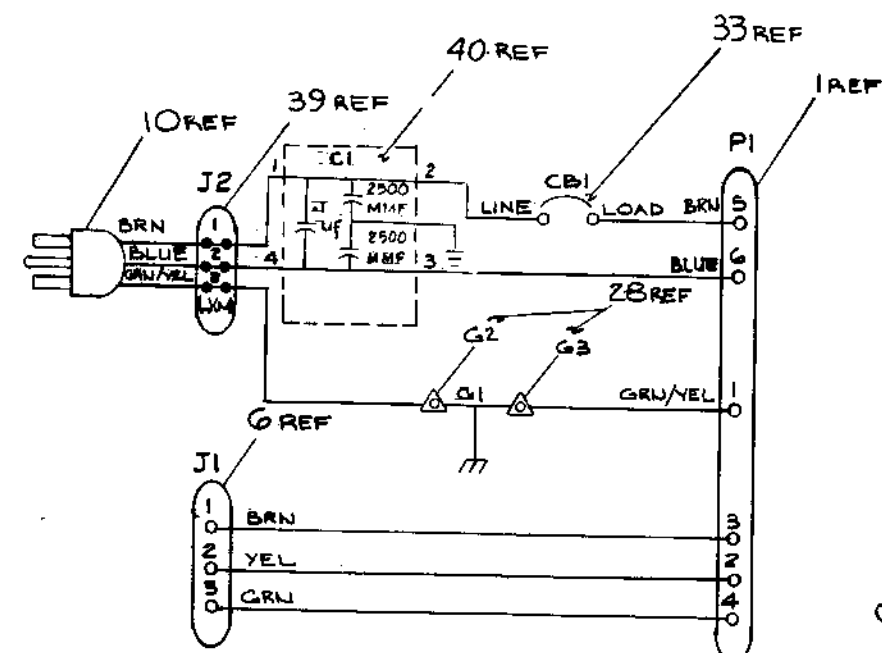
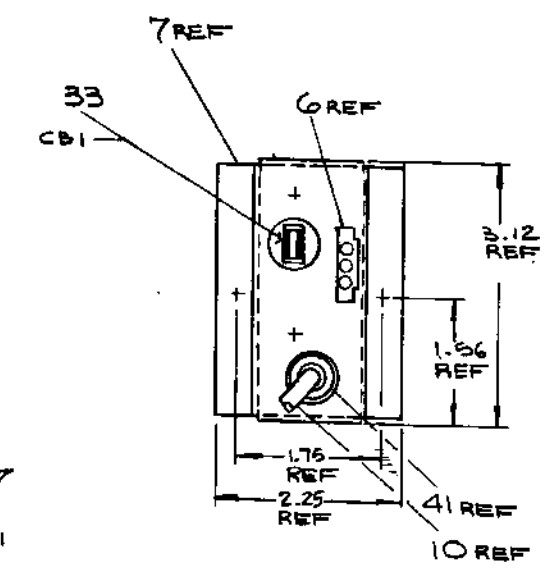
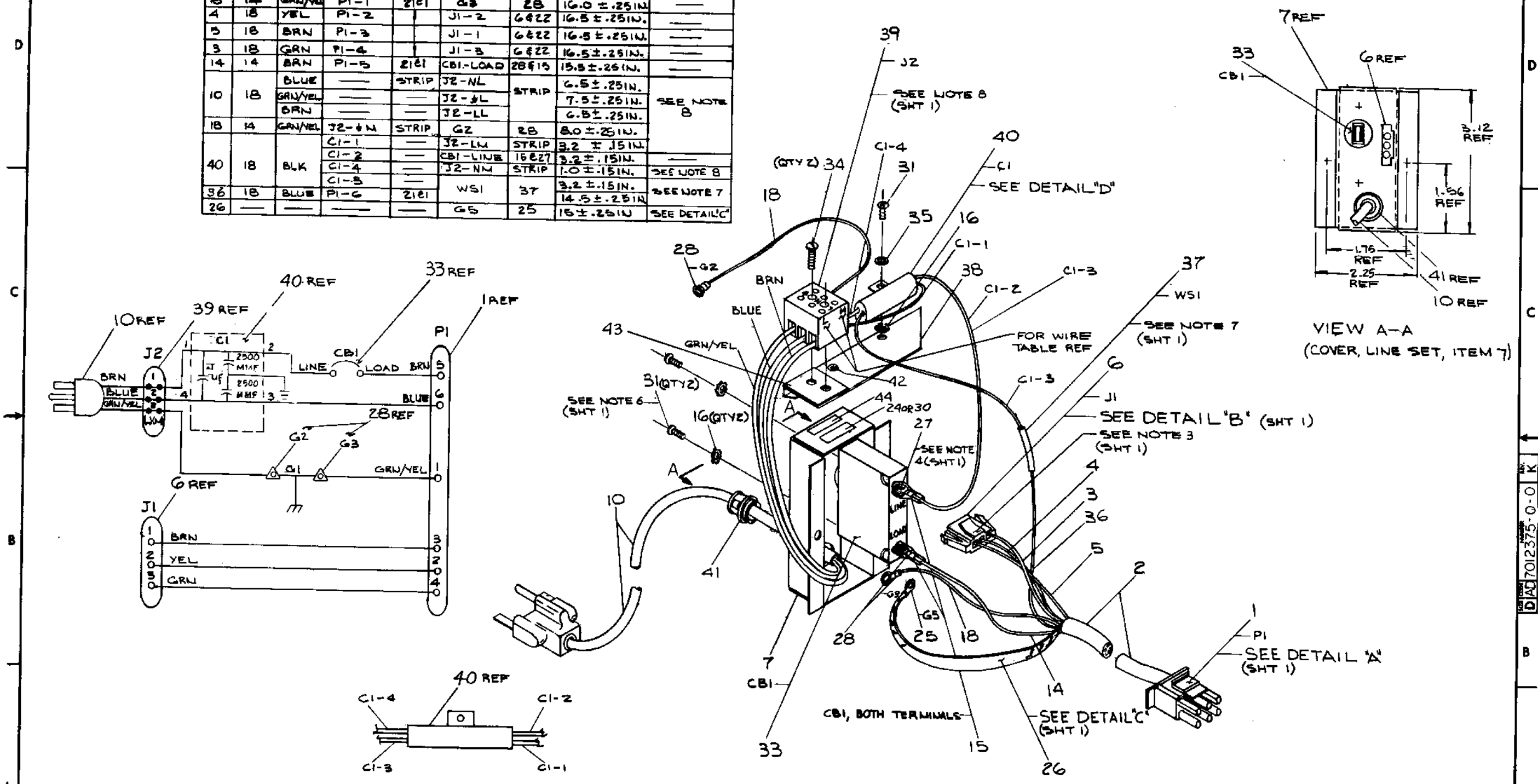
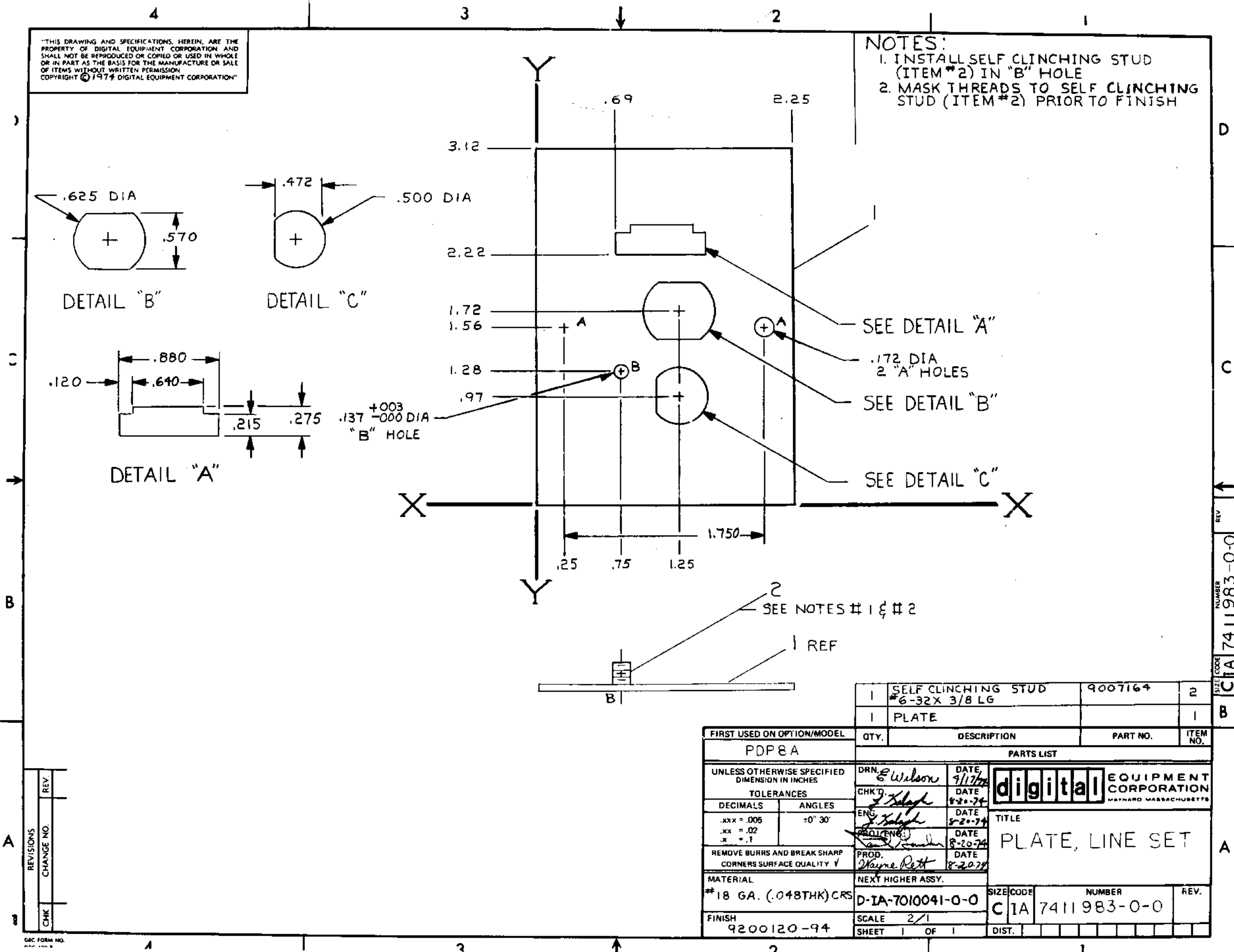


ILLUSTRATION 2

REVISIONS		
CHK	CHANGE NO.	REV.

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



SEE DETAIL "A"
 .172 DIA
 2 "A" HOLES
 SEE DETAIL "B"
 SEE DETAIL "C"

SEE NOTES # 1 & # 2

1 REF

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	SELF CLINCHING STUD #6-32X 3/8 LG	9007164	2
1	PLATE		1

FIRST USED ON OPTION/MODEL		PARTS LIST	
PDP8A			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DRN. <i>E. Wilson</i> DATE <i>9/17/74</i> CHK'D. <i>J. Kelp</i> DATE <i>8-20-74</i> ENG. <i>J. Kelp</i> DATE <i>8-20-74</i> PROD. <i>Wayne Pett</i> DATE <i>8-20-74</i>	
TOLERANCES		digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS	ANGLES	TITLE	
.xxx = .005	±0° 30'	PLATE, LINE SET	
.xx = .02		MATERIAL	
.x = .1		NEXT HIGHER ASSY.	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1		MATERIAL	
**18 GA. (.048THK) CRS		SIZE CODE	NUMBER
FINISH	SCALE	CIA	7411983-0-0
9200120-94	2/1	DIST.	
	SHEET	OF	

REV.	CHANGE NO.

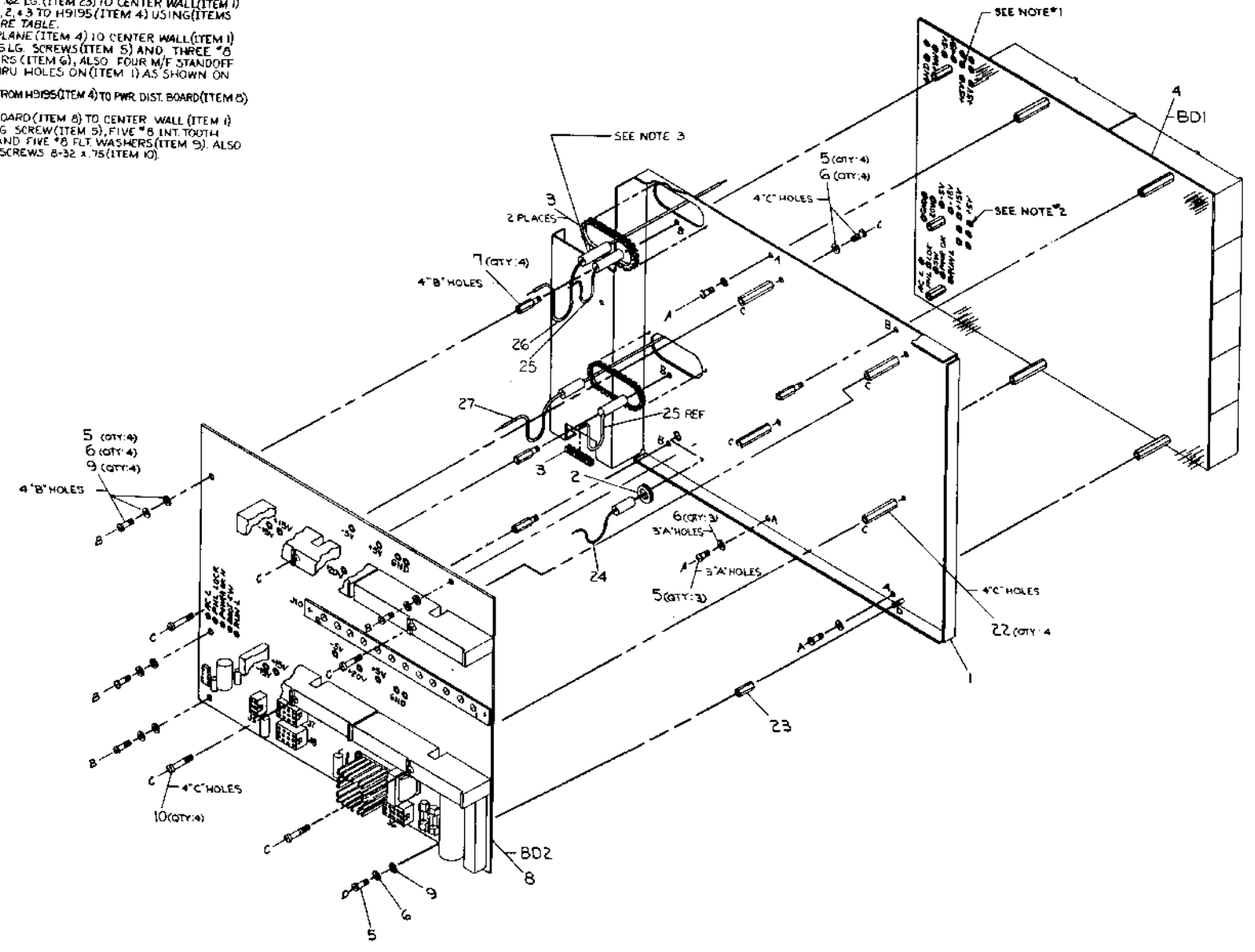
REV. NUMBER
 CIA 7411983-0-0

THIS DRAWING AND PHOTOGRAPH SHALL BE USED FOR THE IDENTIFICATION OF PARTS AND MATERIALS. THE PARTS AND MATERIALS LISTED HEREIN SHALL BE USED UNLESS OTHERWISE SPECIFIED.

WIRE TABLE						
ITEM NO.	AWG	COLOR	FROM	WITH	TO	REMARKS
22	YEL	BD1/AC LO	SOLD	BD2/AC LO	SOLD	
22	VIO	BD1/PNL LOK	SOLD	BD2/PNL LOK	SOLD	
22	WHT	BD1/SW	SOLD	BD2/SW	SOLD	
22	GRY	BD1/PWR OK	SOLD	BD2/PWR OK	SOLD	
22	BRN	BD1/RUN L	SOLD	BD2/RUN L	SOLD	
12	BLK	BD1/GND	SOLD	BD2/GND	SOLD	
12	BLK	BD1/GND	SOLD	BD2/GND	SOLD	
12	RED	BD1/+5V	SOLD	BD2/+5V	SOLD	
14	GRN	BD1/-5V	SOLD	BD2/-5V	SOLD	
14	ORN	BD1/+15V	SOLD	BD2/+15V	SOLD	
14	YEL	BD1/+20V	SOLD	BD2/+20V	SOLD	
14	BLU	BD1/-15V	SOLD	BD2/-15V	SOLD	
14	ORN	BD1/+15V	SOLD	BD2/+15V	SOLD	
14	BLU	BD1/-15V	SOLD	BD2/-15V	SOLD	

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

- ASSEMBLY INSTRUCTIONS**
- ATTACH ROUND GROMMET (ITEM 2) TO CENTER WALL (ITEM 1).
 - ATTACH CATERPILLAR GROMMET (3 PLACES) (ITEM 3) TO CENTER WALL (ITEM 1).
 - 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).
 - ASSEMBLE SPACER 8-32 x 62 LG. (ITEM 23) 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 W/F STANDOFF (ITEM 7) FEED WIRES THRU HOLES ON (ITEM 1) AS SHOWN ON DWG.
 - SOLDER ITEMS 24, 25, 26 & 27 FROM H9195 (ITEM 4) TO PWR. DIST. BOARD (ITEM 8) REFER TO WIRE TABLE.
 - 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).



ITEM NO.	DESCRIPTION	QTY.	UNIT	ITEM NO.	DESCRIPTION	QTY.	UNIT
1	H9195-5412000 PWR. HARN #2	1	EA	27			
1	H9195-5412000 PWR. HARN #2	1	EA	28			
2	H9195-5412000 PWR. HARN #1	1	EA	25			
1	H9195-5412000 SIG. HARN	1	EA	24			
1	SPACER 8-32 x 62 LG.	1	EA	23			
4	SPACER 8-32 x 1.25 LG.	4	EA	22			
1	WASHER #8 INT. TOOTH LOCK	1	EA	21			
1	WASHER #8 INT. TOOTH LOCK	1	EA	20			
1	WASHER #8 INT. TOOTH LOCK	1	EA	19			
1	WASHER #8 INT. TOOTH LOCK	1	EA	18			
1	WASHER #8 INT. TOOTH LOCK	1	EA	17			
1	WASHER #8 INT. TOOTH LOCK	1	EA	16			
1	WASHER #8 INT. TOOTH LOCK	1	EA	15			
1	WASHER #8 INT. TOOTH LOCK	1	EA	14			
1	WASHER #8 INT. TOOTH LOCK	1	EA	13			
1	WASHER #8 INT. TOOTH LOCK	1	EA	12			
1	WASHER #8 INT. TOOTH LOCK	1	EA	11			
1	WASHER #8 INT. TOOTH LOCK	1	EA	10			
1	WASHER #8 INT. TOOTH LOCK	1	EA	9			
1	WASHER #8 INT. TOOTH LOCK	1	EA	8			
1	WASHER #8 INT. TOOTH LOCK	1	EA	7			
1	WASHER #8 INT. TOOTH LOCK	1	EA	6			
1	WASHER #8 INT. TOOTH LOCK	1	EA	5			
1	WASHER #8 INT. TOOTH LOCK	1	EA	4			
1	WASHER #8 INT. TOOTH LOCK	1	EA	3			
1	WASHER #8 INT. TOOTH LOCK	1	EA	2			
1	WASHER #8 INT. TOOTH LOCK	1	EA	1			

REV.	DATE	DESCRIPTION
1	10/10/73	ISSUED FOR PRODUCTION
2	11/15/73	REVISED TO ADD PARTS LIST
3	12/10/73	REVISED TO ADD PARTS LIST
4	01/10/74	REVISED TO ADD PARTS LIST
5	02/10/74	REVISED TO ADD PARTS LIST
6	03/10/74	REVISED TO ADD PARTS LIST
7	04/10/74	REVISED TO ADD PARTS LIST
8	05/10/74	REVISED TO ADD PARTS LIST
9	06/10/74	REVISED TO ADD PARTS LIST
10	07/10/74	REVISED TO ADD PARTS LIST
11	08/10/74	REVISED TO ADD PARTS LIST
12	09/10/74	REVISED TO ADD PARTS LIST
13	10/10/74	REVISED TO ADD PARTS LIST
14	11/10/74	REVISED TO ADD PARTS LIST
15	12/10/74	REVISED TO ADD PARTS LIST
16	01/10/75	REVISED TO ADD PARTS LIST
17	02/10/75	REVISED TO ADD PARTS LIST
18	03/10/75	REVISED TO ADD PARTS LIST
19	04/10/75	REVISED TO ADD PARTS LIST
20	05/10/75	REVISED TO ADD PARTS LIST
21	06/10/75	REVISED TO ADD PARTS LIST
22	07/10/75	REVISED TO ADD PARTS LIST

QUANTITY & VARIATION

ITEM NO.	DESCRIPTION	QTY.	UNIT
1	WALL CENTER	1	EA

REVISIONS

REV.	DATE	DESCRIPTION
1	10/10/73	ISSUED FOR PRODUCTION
2	11/15/73	REVISED TO ADD PARTS LIST
3	12/10/73	REVISED TO ADD PARTS LIST
4	01/10/74	REVISED TO ADD PARTS LIST
5	02/10/74	REVISED TO ADD PARTS LIST
6	03/10/74	REVISED TO ADD PARTS LIST
7	04/10/74	REVISED TO ADD PARTS LIST
8	05/10/74	REVISED TO ADD PARTS LIST
9	06/10/74	REVISED TO ADD PARTS LIST
10	07/10/74	REVISED TO ADD PARTS LIST
11	08/10/74	REVISED TO ADD PARTS LIST
12	09/10/74	REVISED TO ADD PARTS LIST
13	10/10/74	REVISED TO ADD PARTS LIST
14	11/10/74	REVISED TO ADD PARTS LIST
15	12/10/74	REVISED TO ADD PARTS LIST
16	01/10/75	REVISED TO ADD PARTS LIST
17	02/10/75	REVISED TO ADD PARTS LIST
18	03/10/75	REVISED TO ADD PARTS LIST
19	04/10/75	REVISED TO ADD PARTS LIST
20	05/10/75	REVISED TO ADD PARTS LIST
21	06/10/75	REVISED TO ADD PARTS LIST
22	07/10/75	REVISED TO ADD PARTS LIST

APPROVALS

DESIGNED BY: [Signature] CHECKED BY: [Signature] DRAWN BY: [Signature] PROJECT ENGINEER: [Signature] PROJECT MANAGER: [Signature]

DESCRIPTION
WALL ASSEMBLY, BAB-C CENTER

SCALE
1" = 1"

DATE
10/10/73

REV.
1

QTY.
1

UNIT
EA

DRAWING NO.	NO. OF SHTS	PART NO.	DESCRIPTION	REVISIONS																									
				A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
B-MH-5412000-0-6	1		BA8-C POWER DISTRIBUTION BD.	*	A	B	C	D	E																				
E-UA-5412000-0-0	3		BA8-C POWER DISTRIBUTION BD.	A	B	C	D	E	F																				
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	A	B	C	D	E
	ORIG.	9-76	00001						
		1-77	00002						
		2-77	00003						
		6-77	00004						
		8-77	00005						

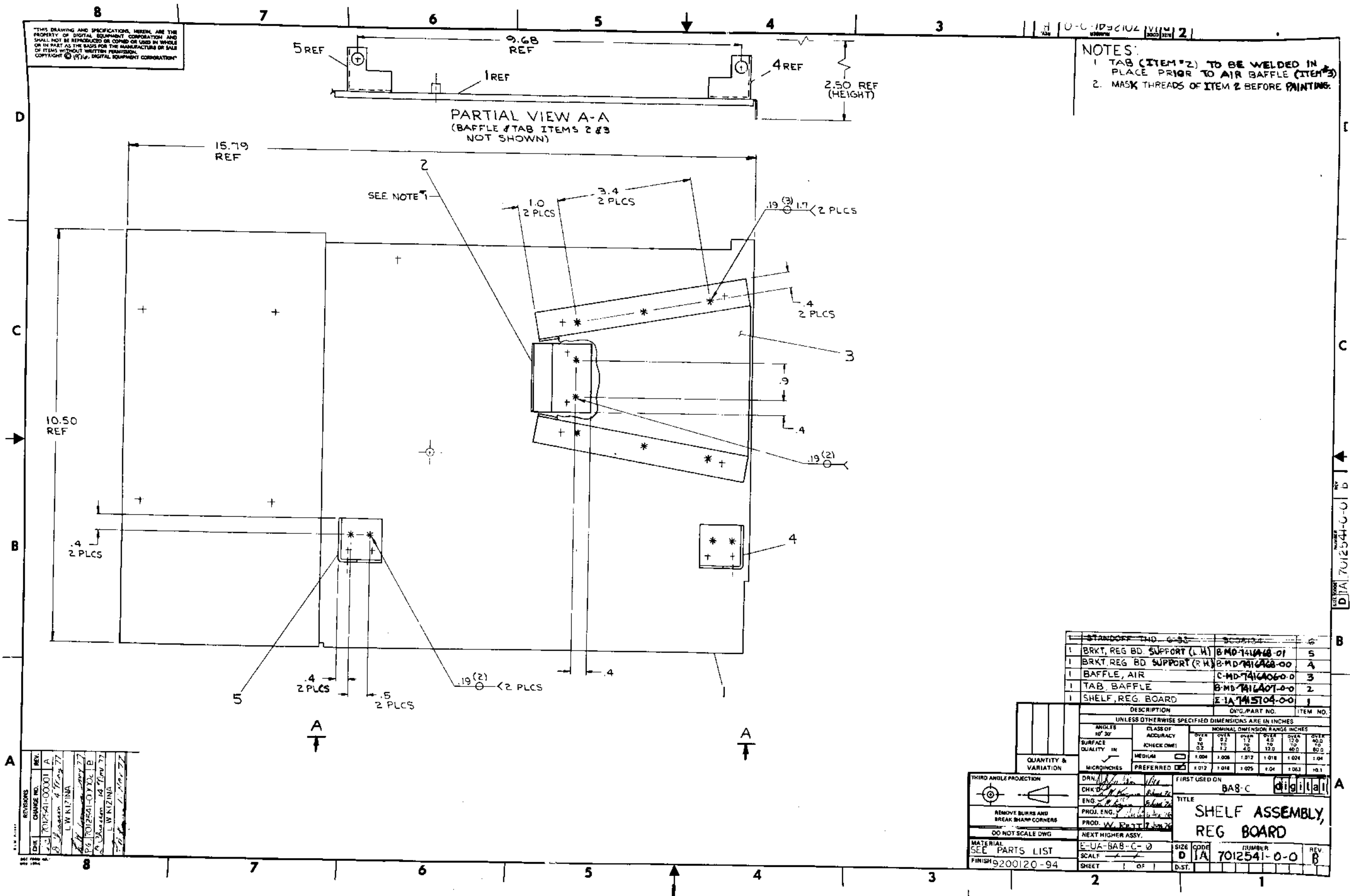
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USED ON OPTION/MODEL	DRN. R. KOPPENAL	4-1-76	TITLE BA8-C POWER DISTRIBUTION BOARD
	CHK'D <i>[Signature]</i>	6-11-76	SIZE CODE B DD
	ENG. <i>[Signature]</i>	11 Jun 76	NUMBER 5412000-0
	PROD.		REV. E
SHEET 1 OF 1			

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NOTES:
 1. TAB (ITEM #2) TO BE WELDED IN PLACE PRIOR TO AIR BAFFLE (ITEM #3)
 2. MASK THREADS OF ITEM 2 BEFORE PAINTING.



REV	CHANGE NO.	DATE	BY	CHKD
1	7012541-00001	77	LW KIZINA	
2	7012541-00002	77	LW KIZINA	
3	7012541-00003	77	LW KIZINA	
4	7012541-00004	77	LW KIZINA	
5	7012541-00005	77	LW KIZINA	
6	7012541-00006	77	LW KIZINA	
7	7012541-00007	77	LW KIZINA	
8	7012541-00008	77	LW KIZINA	

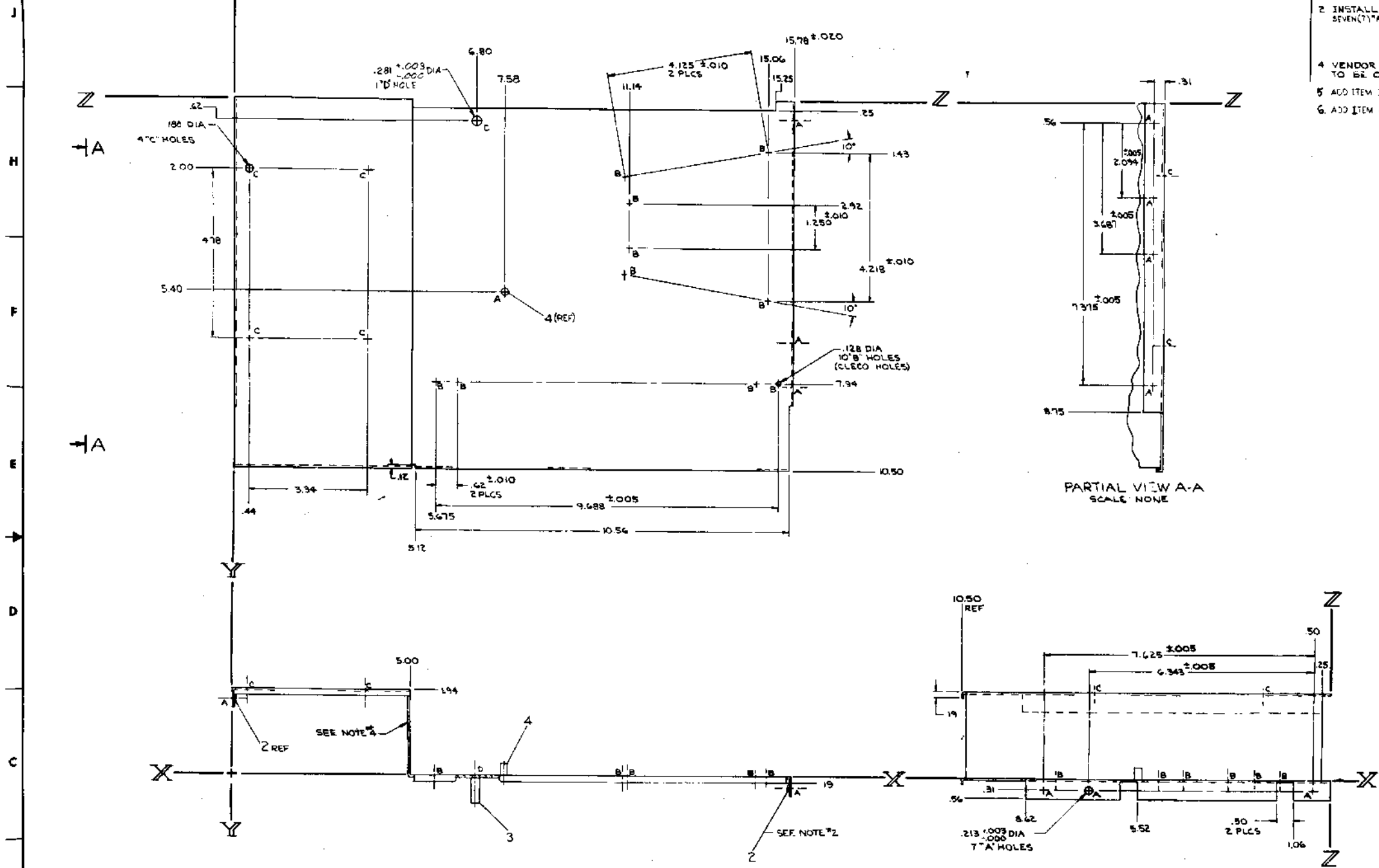
QTY	DESCRIPTION	DWG. PART NO.	ITEM NO.
1	BRKT, REG BD SUPPORT (L.H.)	B-MD-741648-01	5
1	BRKT, REG BD SUPPORT (R.H.)	B-MD-741648-00	4
1	BAFFLE, AIR	C-MD-7416406-0	3
1	TAB, BAFFLE	B-MD-7416407-0-0	2
1	SHELF, REG BOARD	E-1A-7415104-0-0	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
ANGLES ± 30°	CLASS OF ACCURACY
SURFACE QUALITY	MEDIUM
QUANTITY & VARIATION	PREFERRED

THIRD ANGLE PROJECTION	DRN. <i>[Signature]</i>	FIRST USED ON	BAS-C
REMOVE BURRS AND BREAK SHARP CORNERS	CHKD. <i>[Signature]</i>	TITLE	SHELF ASSEMBLY, REG BOARD
DO NOT SCALE DWG	ENG. <i>[Signature]</i>	PROJ. ENG.	W. P. T. 7 JUN 76
MATERIAL SEE PARTS LIST	FINISH 9200120-94	SCALE	1 OF 1
		SHEET	

DTA 7012541-0-0
 1000 214
 1000 214

ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES AND DECIMALS THEREOF.



- NOTES**
- UNLESS OTHERWISE SPECIFIED ALL BEND RADII TO BE .03R.
 - INSTALL INSERTS (ITEM #2) INTO SEVEN (7) 1" HOLES AS SHOWN.
 - VENDOR IDENTIFICATION MARK TO BE ON THIS SURFACE.
 - ADD ITEM 3 IN 1" DIA HOLE.
 - ADD ITEM 4 IN 1" DIA HOLE.

1	STANDOFF 0-32 x 25	9008134	4
1	STANDOFF 0-32 x 1.5	900823-00	3
7	INSERT #8-32	9009180-03	3
1	SHELF		

DESCRIPTION	STANDOFF 0-32 x 25	QTY REQ	4
DESCRIPTION	STANDOFF 0-32 x 1.5	QTY REQ	3
DESCRIPTION	INSERT #8-32	QTY REQ	3
DESCRIPTION	SHELF	QTY REQ	

QUANTITY & VARIATION

QTY	UNIT	DESCRIPTION	QTY	UNIT	DESCRIPTION
4		STANDOFF 0-32 x 25	3		STANDOFF 0-32 x 1.5
3		INSERT #8-32			SHELF

REVISIONS

NO.	DATE	DESCRIPTION	BY	CHKD
1				

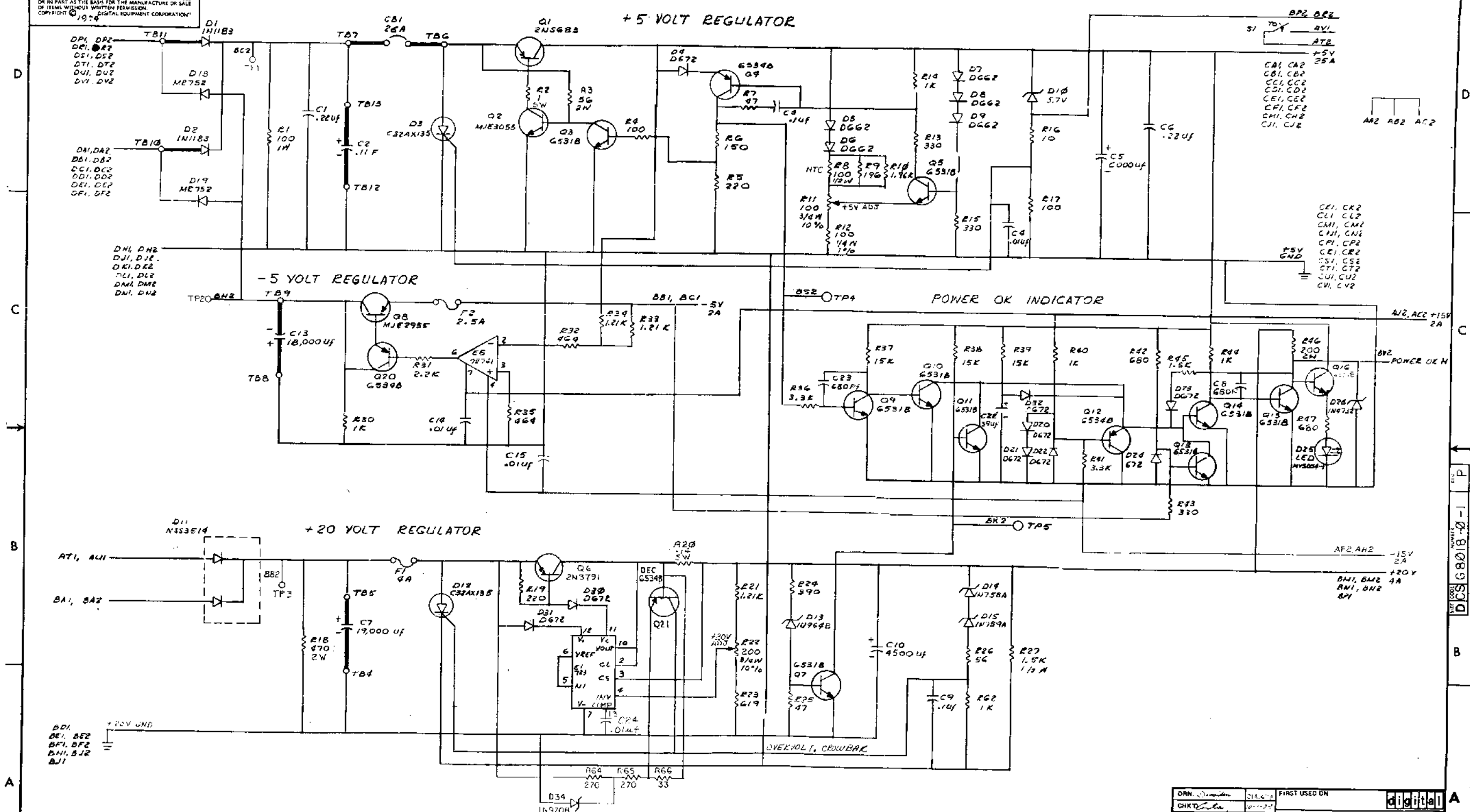
CONTROL RECORD

DATE	TIME	SCALE	BY	CHKD
10/16/54	10:05 AM	C.R.S.		

PROJECT INFORMATION

PROJECT: SHELF, REG. BOARD
 DRAWING NO: 7415704-B-0
 SHEET: 01 OF 01

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REVISIONS		
CHK	CHANGE NO.	REV
-	REVISED & REDRAWN M101K	N

DRN: [Signature]	DATE: [Date]	FIRST USED ON: [Date]	digital
CHKD: [Signature]	DATE: [Date]		
ENG: [Signature]	DATE: [Date]		
PROJ. ENG: [Signature]	DATE: [Date]		
PROD. [Signature]	DATE: [Date]		
TITLE: REGULATOR BOARD 8A CORE			
NEXT HIGHER ASSY:			
SCALE: 1/1	SIZE: D	CODE: CS	NUMBER: G8018-C-1
SHEET: 1	OF 2	DIST.	REV. P

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8

7

6

5

4

3

2

1

D

C

B

A

D

C

B

A

± 15 VOLTS

AC LOW INDICATOR

AL1, AL2

MDA 970-B
DIG

AL1, AL2

+15V GND

AP1, AP2
RE1

T83

T81

T82

AL2, AL2 +15V
2A

+5V
GND

AP2, AP2 -15V
2A

CE1, CE2 CL1, CL2
CM1, CM2 CN1, CN2
CP1, CP2 CE1, CE2
CS1, CS2 CT1, CT2
CU1, CU2 CV1, CV2

AC LEVEL AV2

AC OFF BL2

R51
330
1/8W

R48
363

R49
500DHW

R50
464

R56
4.7K

D27
1N751A

C17
.01uF

CE1
-22

C18
.01uF

C16
.01uF

R52
511

R53
5K
"UP"

R54
330
1/8W

C19
.01uF

R55
1K

Q17
G531B

R57
12.1K
1%

W1
"60HZ"

W2
"50HZ"

R58
1.21K

R58
18.7K

D29
D672

D28
D672

R59
12

Q18
G531B

Q19
G531B

R61
330

R62
330

W3
AR2
AC LOW L
(REMOVE TO DISABLE AC LOW OUTPUT)

+5

R47
1K 1/4W

BD2

1N4748
5.4

D35
D472

C23
22

+5V CA1, CA2, CB1, CB2, CC1, CC2, CD1, CD2
CE1, CE2, CF1, CF2, CH1, CH2, CI1, CI2, CJ1, CJ2

BY2 POWER OK H

REVISIONS		
CHK	CHANGE NO.	REV

TITLE REGULATOR BOARD
8A CORE
SCALE SHEET 2 OF 2
DCS 68018-0-1
REV. 1

DCS 68018-0-1 P1

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DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS						
ENGINEERING SPECIFICATION				DATE 12/30/74		
TITLE G8018 REGULATOR BOARD						
REVISIONS						
REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE
A	ECO G8018	MLO12	Don Freniere	2-Sep-80	J.F. / W.K.	15 OCT 80

ENG	APPD	SIZE	CODE	NUMBER	REV
Al DeLuca	<i>Al DeLuca</i>	A	SP	G8018-0-8	A

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

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

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 the ferro-resonant transformer.</p> <p><u>Power OK</u></p> <p>This is an indication that ± 5 volts 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> <ol style="list-style-type: none"> a. Overvoltage <p>If the ± 5 volts exceeds $6.0 \pm .3$ volts, an SCR will turn on, which in turn trips the breaker.</p> b. Over Current <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> c. Board Removal <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

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 (BA backplane & power control). The H9194 in turn removes the AC power from the BA 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

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 Ω 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

ENGINEERING SPECIFICATION CONTINUATION SHEET

TITLE G8018 REGULATOR BOARD

- g. Overcurrent protection - 2 $\frac{1}{2}$ 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 Ω 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%
There is no active regulator for this voltage. The only regulation is that of the ferro-resonant transformer.
- e. Overcurrent protection - 2 $\frac{1}{2}$ amp normal blo fuse.
- f. Overvoltage protection - none.

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

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%
There is no active regulator for this voltage. The only regulation is that of the ferro-resonant transformer.
- e. Overcurrent protection - 2 $\frac{1}{2}$ 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 CPM 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

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.

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

TITLE G8018 REGULATOR BOARD

MECHANICAL CONFIGURATION

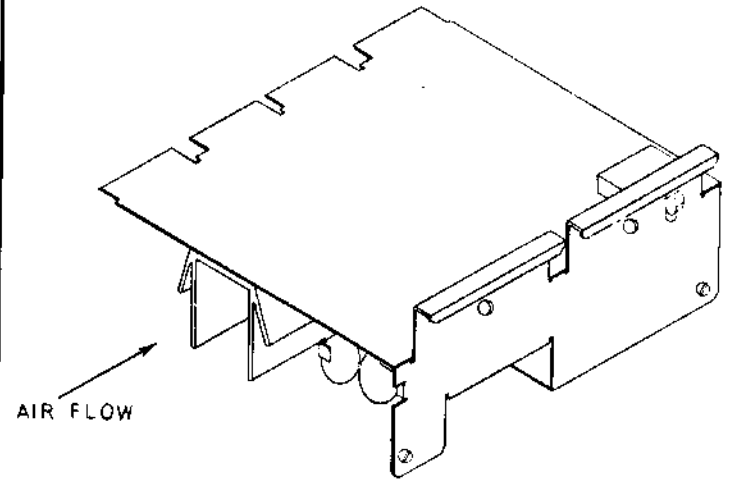


FIGURE 1

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

TITLE G8018 REGULATOR BOARD

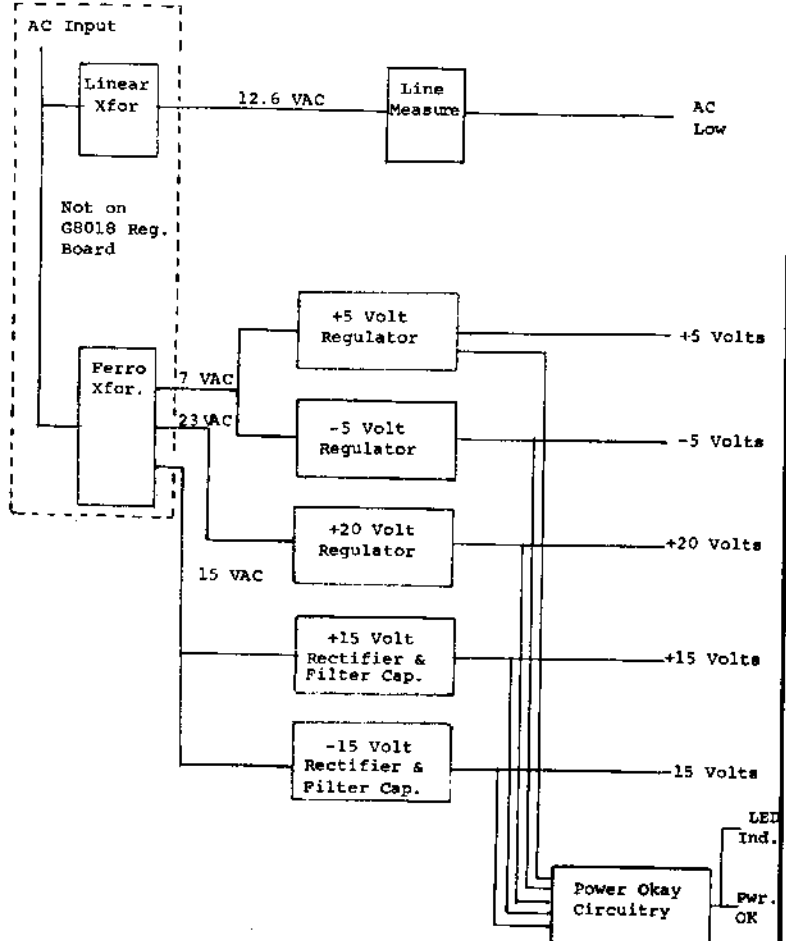
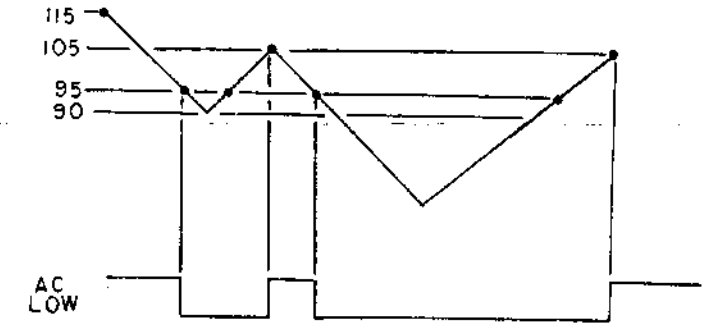


FIGURE 2

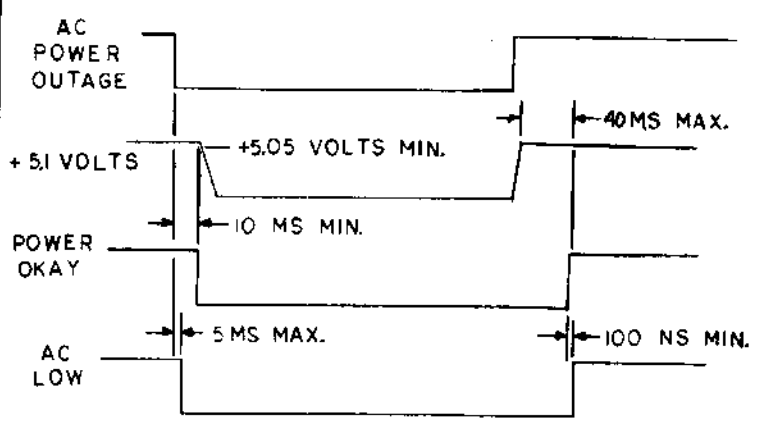
SIZE	CODE	NUMBER	REV
A	SP	G8018-0-8	A

TITLE G8018 REGULATOR BOARD

POWER FAIL SIGNAL
FIGURE 3



AC POWER OUTAGE
FIGURE 4

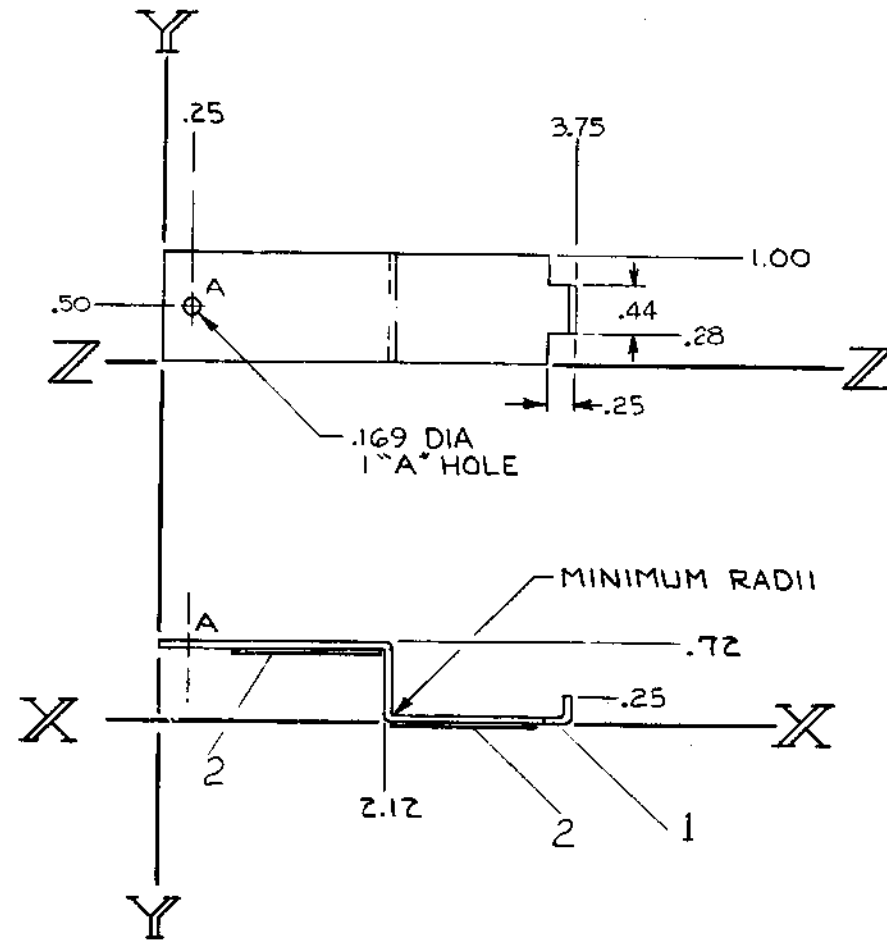


SIZE	CODE	NUMBER	REV
A	SP	G8018-0-8	A

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DO NOT SCALE DRAWING

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



REV.	CHANGE NO.	REV.
A	7413208-00001	A
J. KALAGHER 5-18-75		

QTY.	DESCRIPTION	PART NO.	ITEM NO.
2	TAPE 1.0 IN X 1.38 IN LG	9008228	2
1	CLAMP		1

FIRST USED ON OPTION/MODEL G801B		DATE 12-17-74	
DIMENSIONAL TOLERANCE DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		DATE 1-30-75	
MILLIMETERS XX ±0.10 XX ±0.5 X ±2	INCHES XXX ±.008 XX ±.02 X ±.1	ANGLES ±30°	TITLE CLAMP, CAP
THIRD ANGLE PROJECTION	REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	DATE 1-30-75	DATE 1-30-75
MATERIAL 16 GA. (059) C.R.S.	FINISH 9200120-94	SCALE 1/1	REV. A

C I A 7413208-0-0
 NUMBER
 REV. A

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G8018

REGULATOR BOARD

ON D.C. ONLY OFF

+5V ADJ.

+20V ADJ.

A.C. LOW ADJ.

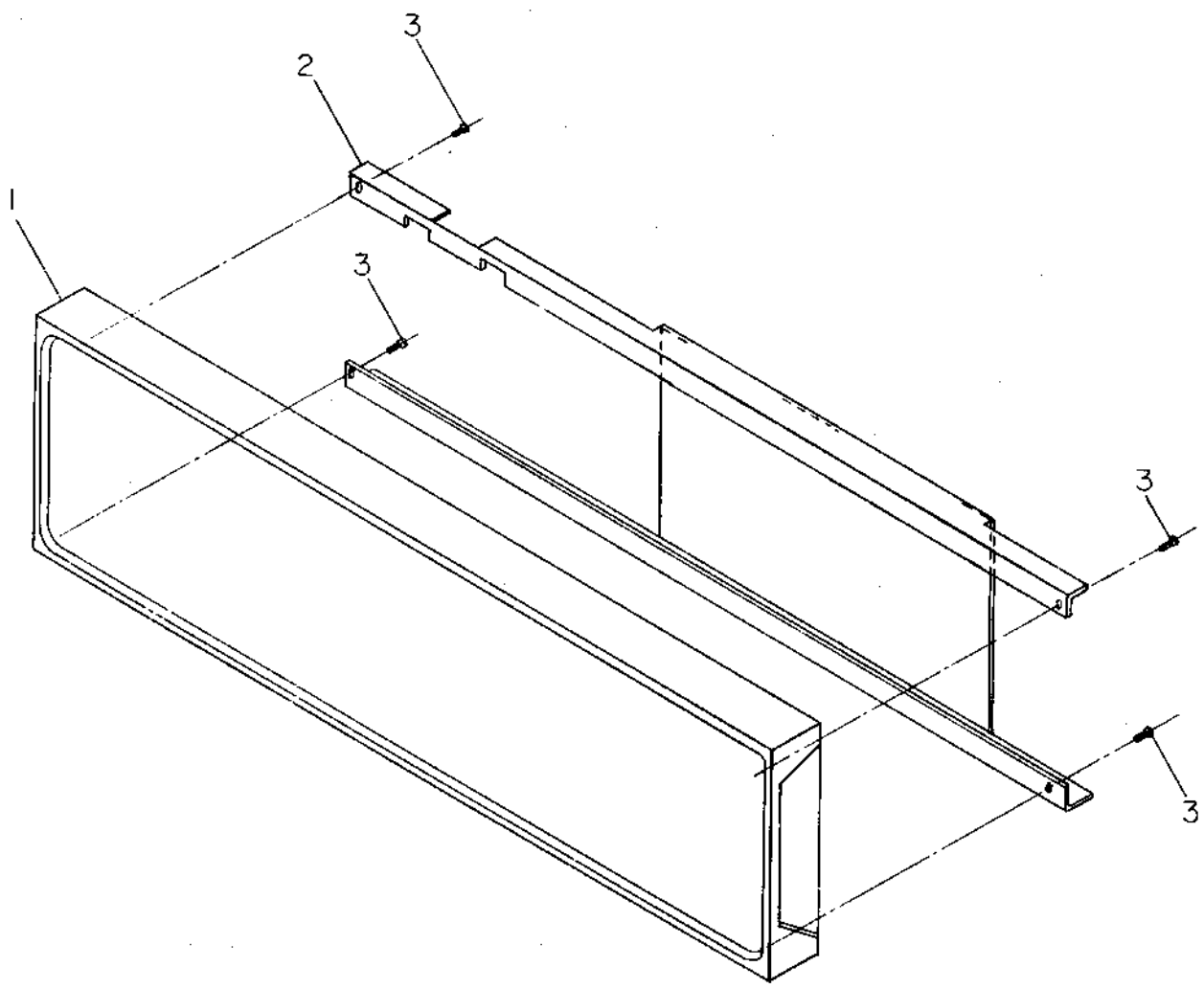
REVISIONS	CHANGE NO.	REV.
	CHK	

WHT ON CLR

DRN <i>D. Mattson</i>	2-6-75	FIRST USED ON	digital		
CHK'D <i>[Signature]</i>	2-7-75	G8018			
ENG <i>[Signature]</i>	2-17-75	TITLE	DECAL (G8018)		
PROJ. ENG. <i>[Signature]</i>	2-17-75				
PROD. <i>[Signature]</i>	2-18-75				
NEXT HIGHER ASSY.					
D-CS-G8018-0-1	SIZE	CODE	NUMBER	REV.	
SCALE 1/1	A	DC	7413498-0-0		
SHEET 1 OF 1	DIST.				

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DWG. NO. 7012452-0-0



4	SCR, PHL PAN HD, SELF TAP	9006418-01	3
1	BRACKET, BEZEL	D-IA-7415707-0-0	2
1	K95Ø-P COVER PANEL	D-UA-H95Ø-PB-Ø	1

DESCRIPTION	DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES	
	over 0 to 12.5	over 12.5 to 48.0
SURFACE QUALITY IN	0.008	0.004
	0.012	0.006
MICROFINISH	0.012	0.006
	0.012	0.006

QUANTITY & VARIATION

THIRD ANGLE PROJECTION	DRN. <i>W. Mahan</i> 22270	FIRST USED ON
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D <i>W. Mahan</i> 22270	BAB-C
DO NOT SCALE DWG	PROJ. ENG. <i>W. Mahan</i> 22270	TITLE
MATERIAL SEE PARTS LIST	PROD. <i>W. Mahan</i> 22270	5.25 BLANK BEZEL ASSY
FINISH	E-UA-BAB-C-Ø	SIZE CODE
	SCALE	D AD 7012452-0-0
	SHEET 1 OF 1	NUMBER
		REV.

REV.	
CHANGE NO.	
CHK	

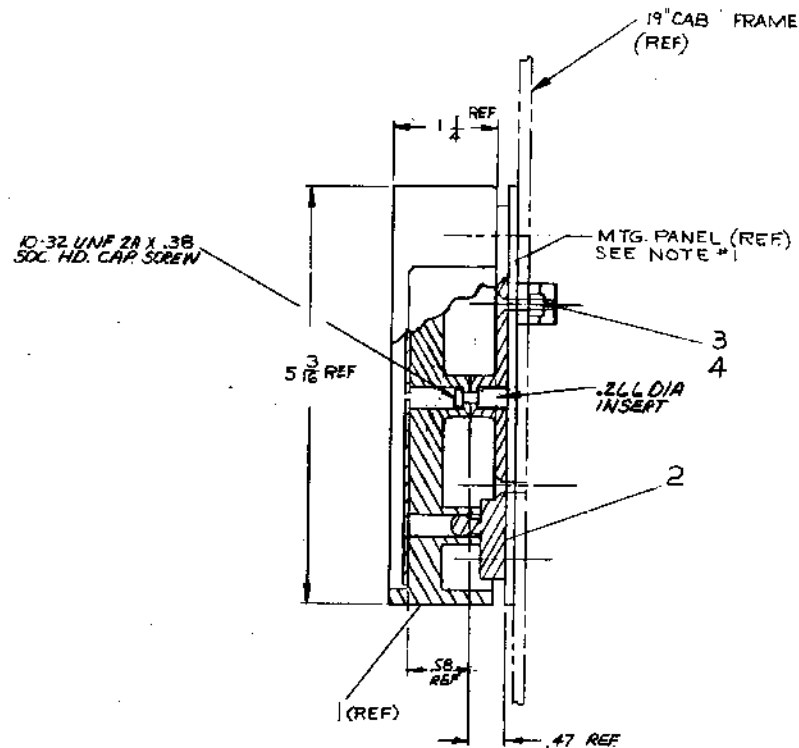
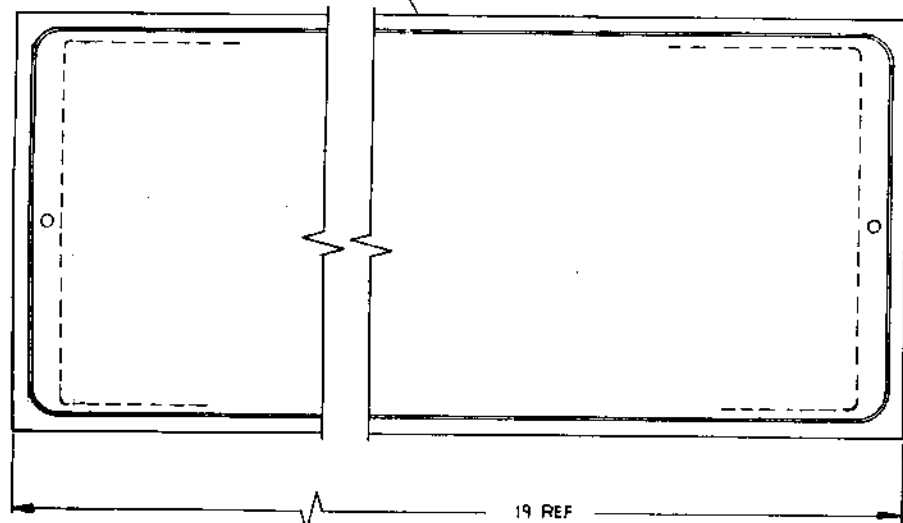
DEC FORM NO. 100-C

D AD 7012452-0-0

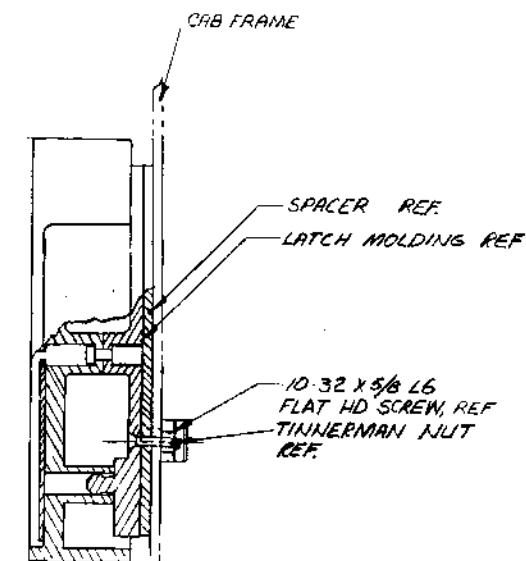
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NOTES

1. USE LATCH MOLDING OVER 1943 MOUNTING PANEL OR EQUIVALENT
2. SEE PARTS LIST FOR VARIATION.



SIDE VIEW
ASSY USING THIN LATCH
- ITEM 2 -



SIDE VIEW
ASSY USING THICK LATCH
MOLDING KIT
- ITEM 5 -

REV	CHG	NO	DATE	BY	APP	DESCRIPTION
A		00018	10/11/68	WHIPPS		19" CAB FRAME
B		00020	10/11/68	WHIPPS		MTG. PANEL
C		00023	10/11/68	WHIPPS		10-32 UNF 2A x .38 SOC HD. CAP SCREW
D		00034	11/12/68	GRAHAM		19" CAB FRAME
E		00043	11/12/68	GRAHAM		MTG. PANEL
F		00062	7-18-69	GRAHAM		10-32 UNF 2A x .38 SOC HD. CAP SCREW
G		00063	12-12-69	GRAHAM		19" CAB FRAME
H		00063	12-12-69	GRAHAM		MTG. PANEL
J		00100	7-31-73	GRAHAM		10-32 UNF 2A x .38 SOC HD. CAP SCREW
K		00108	8-20-73	GRAHAM		19" CAB FRAME
				RDUBE		MTG. PANEL

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
digital EQUIPMENT CORPORATION			
TITLE			
H950-P COVER PANEL			
MATERIAL		NEXT HIGHER ASSY	
FINISH		SCALE 1/1	
SHEET 1 OF 1		DUA-H950-P-0	
DIST. 6		NUMBER DUA-H950-P-0	
		REV K	

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

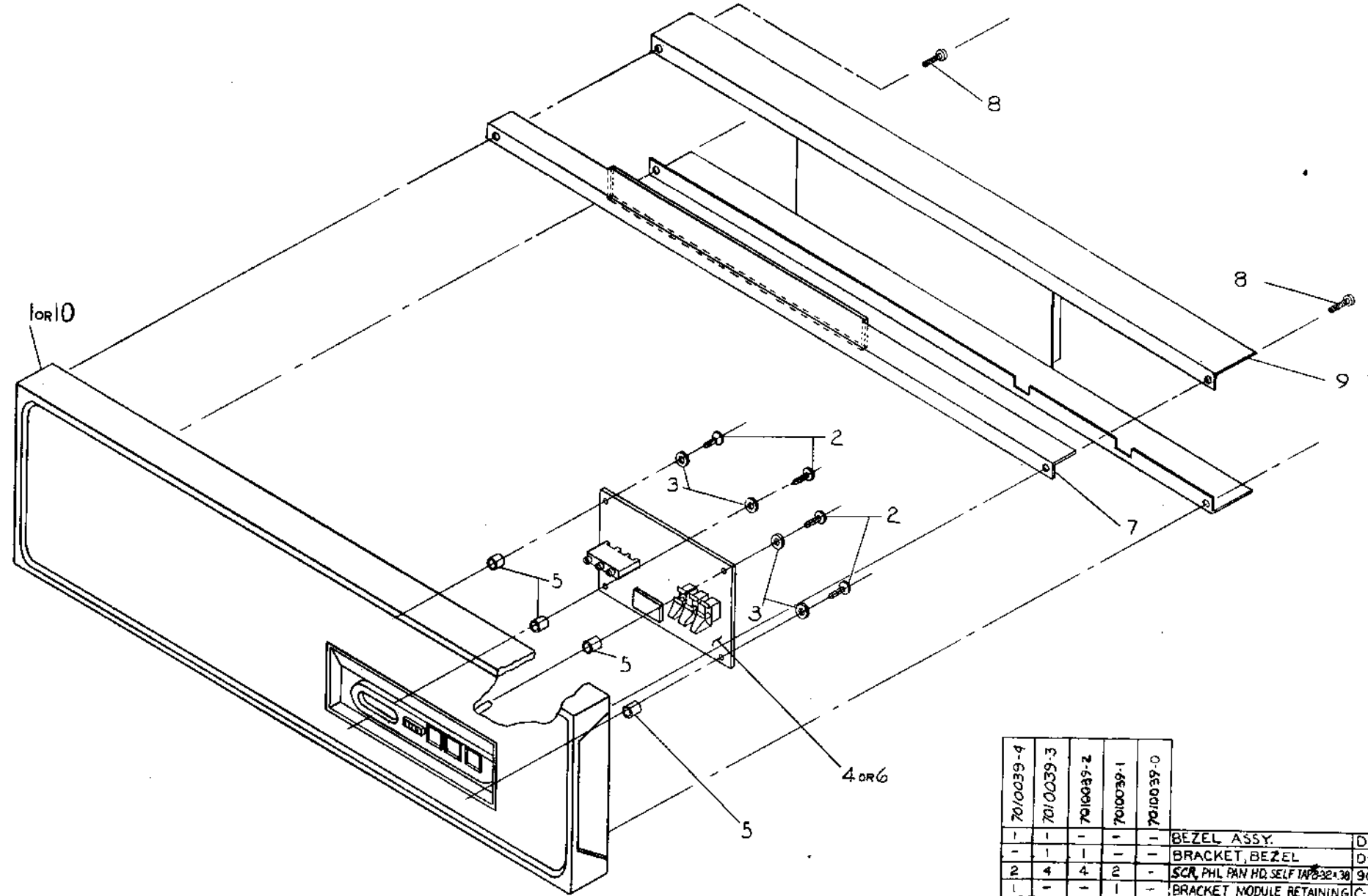
QUANTITY / VARIATION

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION																	
			H950-PA	H950-P	H950-PB															
1	C-IA-7014527-0-0	COVER PANEL ASSY 5 1/4 HIGH	1	1	1															
2	C-SC-1209224-0-0	LATCH MOLDING	-	2	-															
3	9006074-02	SCR PHL FLAT HD 10-32 x 5/8 LG	-	4	-															
4	9007786-00	SPEED NUT 10-32 TINNERMAN	-	4	-															
5	C-PS-1211386-0-0	THICK LATCH MOLDING	2	-	-															
6	C-SC-1209176-1-0	ENLAY	1	1	1															
7	1809616-1	TAPE, DOUBLE COATED 1/4"	A/R																	
8	1809616-2	TAPE, DOUBLE COATED 3/8"	A/R																	

TITLE	COVER PANEL (5 1/4)	ASSY NO.	D-UA-H950-P-0	SIZE	CODE	NUMBER	H950-P-0	REV.	K	ECO NG.	H950-00158
SHEET	1	OF	1	DIST.	G						

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U
 10-0-02-00102 (10/10) 2
 1000102



REV.	CHG. NO.	BY
1	7010039-00001	A
2	7010039-00002	B
3	7010039-00003	C
4	7010039-00004	D

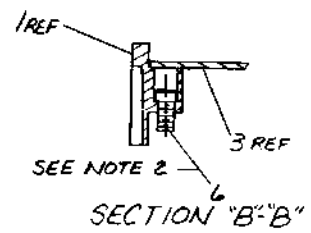
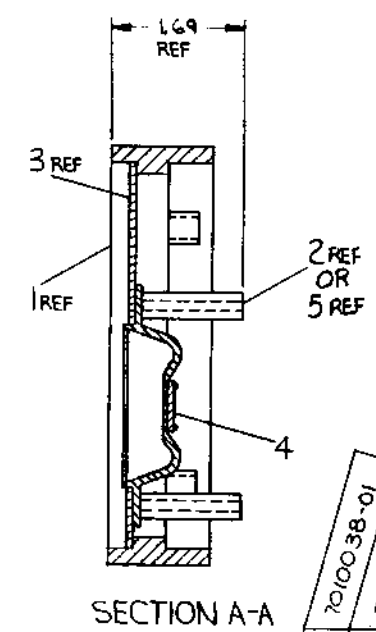
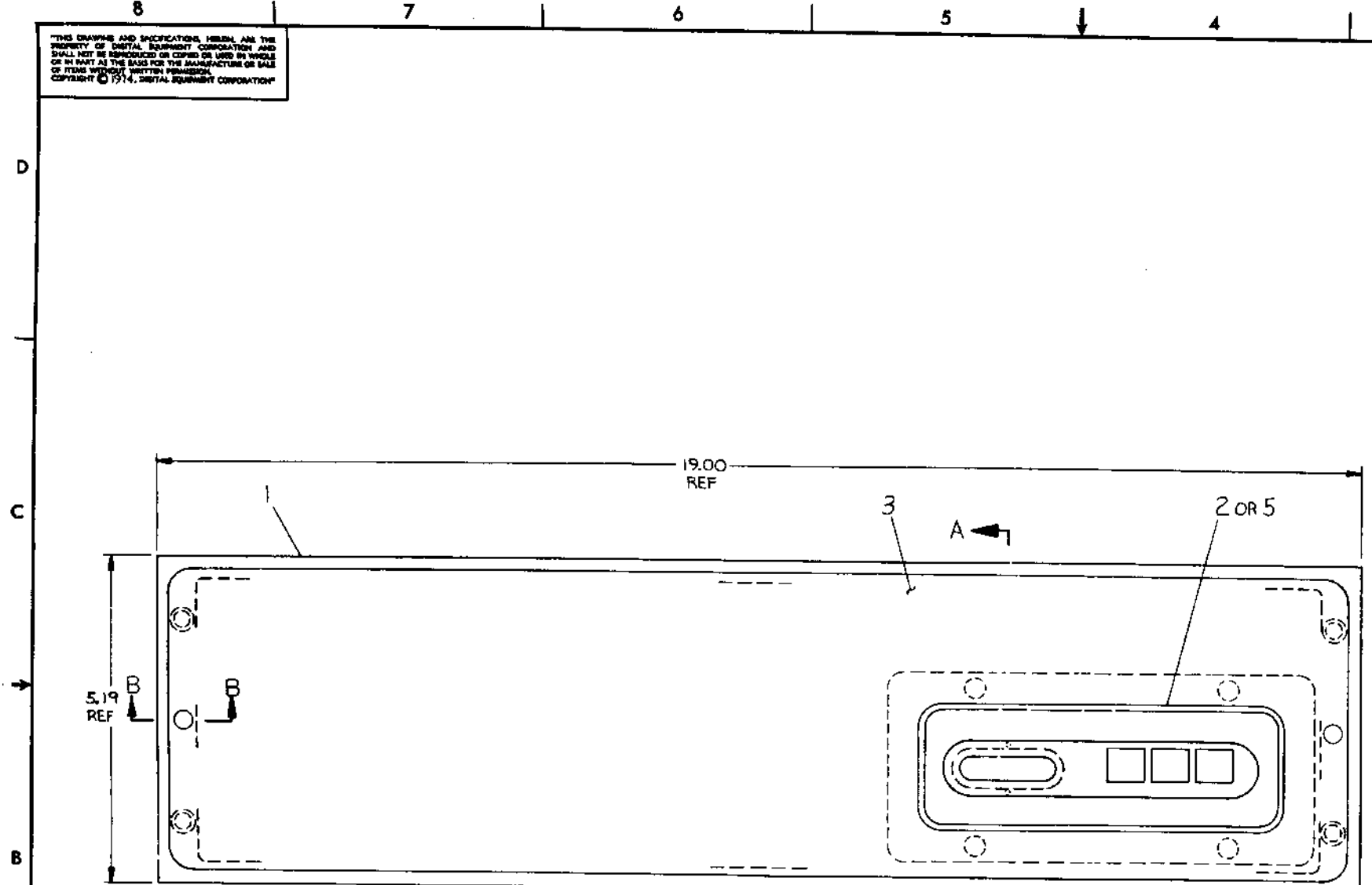
QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	BEZEL ASSY.	D-1A-7010038-01	10
1	BRACKET, BEZEL	D-1A-7415707-0-0	9
2	SCR, PHL PAN HD SELF TAP 32x38	9006418-01	8
1	BRACKET MODULE RETAINING	C-1A-7413487-0-0	7
1	LIMITED FUNCTION BD	D-05-5411507-01	6
4	INSERT #6-32	9009601	5
1	LIMITED FUNCTION BO	D-05-3411168-0-1	4
4	LOCK WASHER, INT #6	9006233	3
4	SCR PHL PAN HD #6-32x3/8	9006022-01	2
1	BEZEL ASSY	D-1A-7010038-01	1

FIRST USED ON OPTION/MODEL PDP 8A		QTY.	DESCRIPTION	PART NO.	ITEM NO.
DIMENSIONAL TOLERANCE DIMENSIONS ARE MILLIMETERS UNLESS OTHERWISE SPECIFIED		DRN. C. Wong	DATE 9-26-70	PARTS LIST	
MILLIMETERS XXX ±.008 XX ±.02 X ±.04		CHK'D. J. P. [unclear]	DATE 11-4-70	TITLE PANEL LIMITED FUNCTION	
THIRD ANGLE PROJECTION		ENG. [unclear]	DATE 11-9-70	REV. D	
MATERIAL SEE PARTS LIST		PROJ ENG. [unclear]	DATE 6-10-70	SIZE CODE D AD	
FINISH //		PROD. [unclear]	DATE 11-17-70	NUMBER 7010039-0-0	
		NEXT HIGHER ASSY.		SHEET OF 1	

D AD 7010039-0-0

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NOTES:
 1. ULTRASONIC 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.



QTY.	DESCRIPTION	PART NO.	ITEM NO.
2	SCREW SOC. HD 10-32X.38	9000042-01	6
1	FRAME	D-MD-7411945-03	5
1	WINDOW	B-MD-7411744-0-0	4
1	INLAY, REWORK	D-MD-7411692-0-0	3
1	FRAME	D-MD-7411945-0-0	2
1	5/16 SNAP ON BEZEL	D-PS-1209226-0-0	1

FIRST USED ON OPTION/MODEL		PARTS LIST	
PDP8 A		DRN	DATE
DIMENSIONAL TOLERANCE		S. Roberts	6-10-74
DIMENSIONS ARE MILLIMETERS UNLESS OTHERWISE SPECIFIED		CHK'D	DATE
		10-7-74	
		ENG	DATE
		10-9-74	
		PROL ENG	DATE
		10-7-74	
		PROD.	DATE
		10-9-74	
THIRD ANGLE PROJECTION		TITLE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		BEZEL ASSY	
NEXT HIGHER ASSY.		MATERIAL	
SEE PARTS LIST		D-AD-7010039-0-0	
FINISH		SCALE	
		1/1	
		SHEET 1 OF 1	
		SIZE CODE	
		D 1A 7010038-0-0	
		NUMBER	
		REV	
		B	

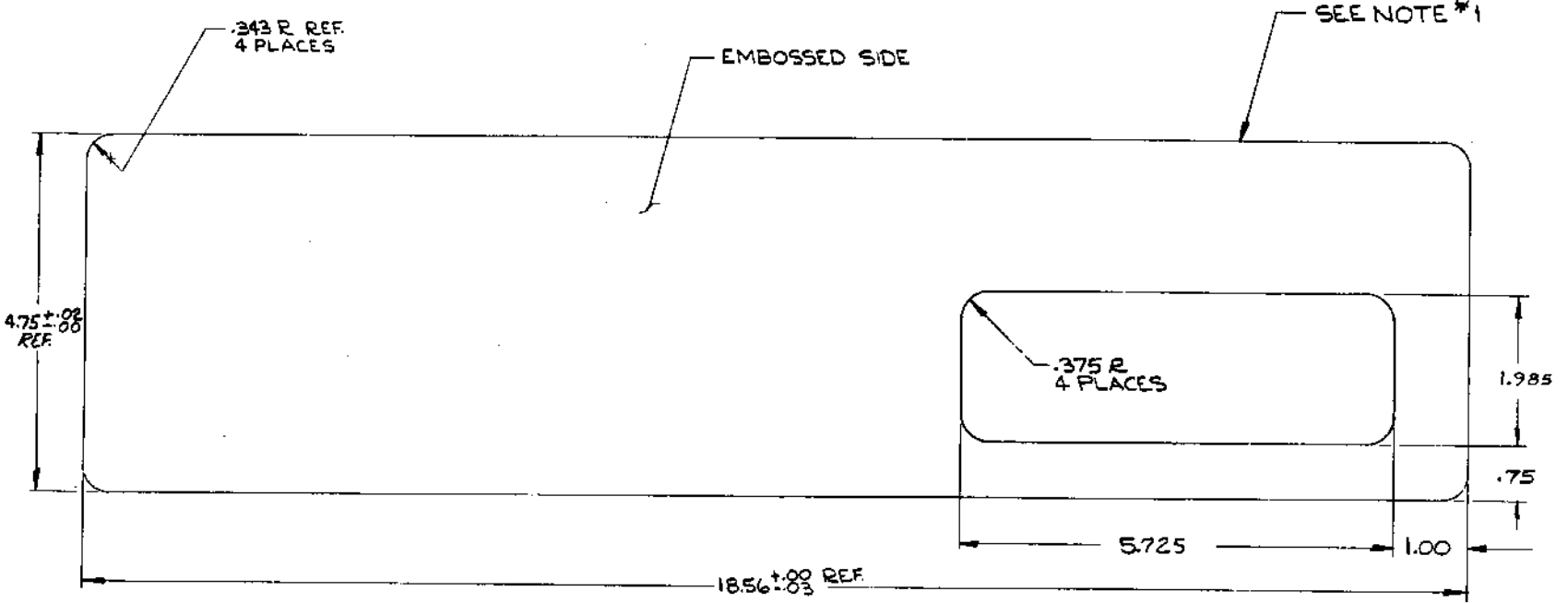
REV	CHANGE NO.	DATE	BY	APP
1	1	10-9-74	L. KIZINA	
2	2	10-9-74	L. KIZINA	
3	3	10-9-74	L. KIZINA	
4	4	10-9-74	L. KIZINA	
5	5	10-9-74	L. KIZINA	
6	6	10-9-74	L. KIZINA	
7	7	10-9-74	L. KIZINA	
8	8	10-9-74	L. KIZINA	

DIA 7010038-0-0 B

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DMD 7411692-0-0 2

NOTES:
1. MAKE FROM DEC. PART NO. 1209176-1



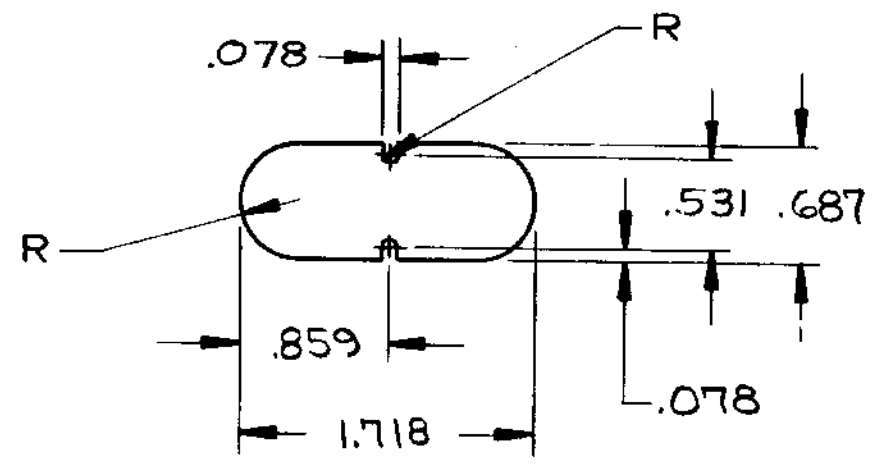
REV	
CHK	
CHG	
NO	

FIRST USE ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 8A					
DIMENSIONAL TOLERANCE		PARTS LIST			
DIMENSIONS ARE MILLIMETERS INCHES UNLESS OTHERWISE SPECIFIED		DATE 4-12-74	digital		
MILLIMETERS	INCHES	ANGLES	DATE 8-20-74	TITLE	
XXX ± 0.10	XXX ± 0.008	40° 30'	DATE 5-21-74	INLAY, REWORK	
XX ± 0.08	XX ± 0.006		DATE 8-1-74		
X ± 0.2	X ± 0.1		DATE 8-10-74		
THIRD ANGLE PROJECTION	REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	DATE 8-10-74	NEXT HIGHER ASSY.		
MATERIAL SEE NOTE #1	FINISH //	DATE	SIZE CODE D-IA-7010038-0-0	NUMBER DMD 7411692 0-0	REV.
SCALE 1:1		SHEET 1	OF 1	DIST	

DMD 7411692-0-0

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APPROVED VENDORS

DURALITH CORP.

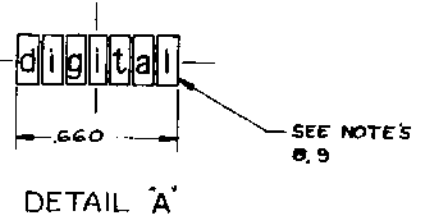
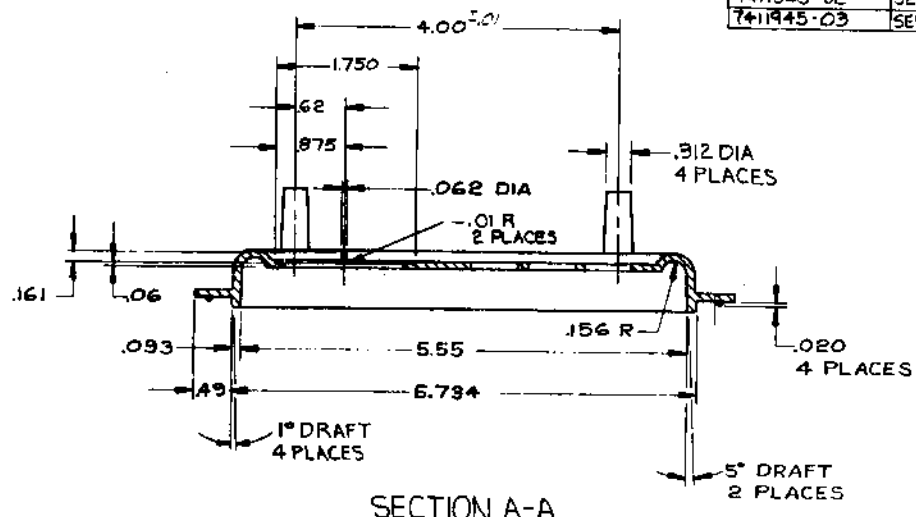
REV. NO.	CHANGE NO.	CHK	REV.
A	7411744-00001	<i>[Signature]</i>	
B	7411744-00002	J. KALAGHER	
	7-24-75	J. KALAGHER	
	7-25-75	J. KALAGHER	

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

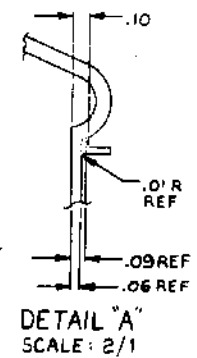
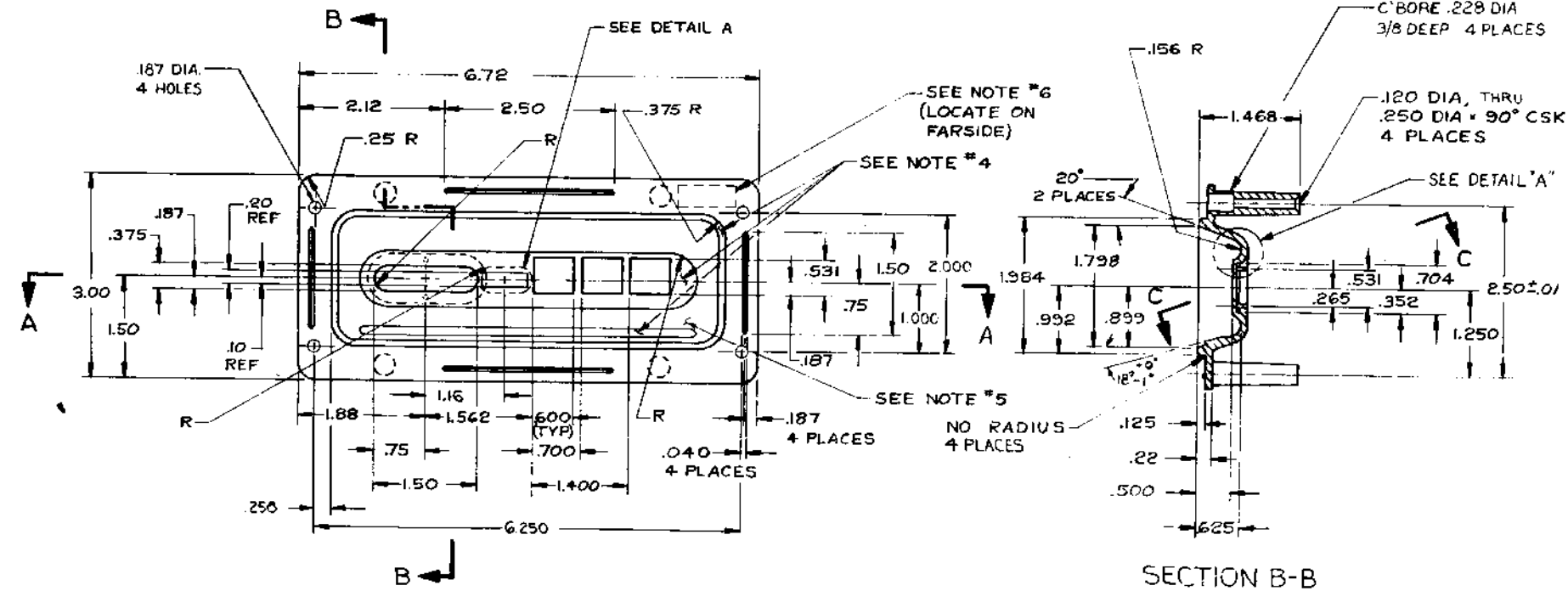
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LEGEND		
NUMBER	VARIATION	USED ON
7411945-00	SEE SECTION C-C	PDP-8A
7411945-01	SEE SECTION C-C	PDP-11/03
7411945-02	SEE SECTION C-C	11/03-L
7411945-03	SEE SECTION C-C	PDP-8A

- NOTES:
1. MAX. DRAFT TO BE 1° UNLESS OTHERWISE SPECIFIED
 2. ALL INSIDE AND OUTSIDE RADII TO BE .03 R MAX UNLESS OTHERWISE SPECIFIED
 3. WALL THICKNESS TO BE .09 UNLESS OTHERWISE SPECIFIED
 4. THESE 3 SURFACES TO BE GLOSS GRAY D.E.C. FINISH 9200001-47
 5. THIS SURFACE TO BE FINE TEXTURED MT 1013 GRAY D.E.C. FINISH 9200001-47
 6. LETTERING TO READ "DEC P/N 7411945" .06 HIGH RAISED .005 TO .008 HIGH AND SHALL BE SHARP AND CLEAR
 7. MATERIAL TO MEET U.L. STANDARD NO. 94, SEPT. 1972, CLASSIFIED 94HB OR BETTER
 8. BLOCK AREA TO BE RAISED .025 MAX
 9. FOR SIZE OF DIGITAL LOGO AND SHAPE OF LETTERS SEE ART WORK SUPPLIED BY DIGITAL
 10. ~~BLOCK AREA TO BE HOT STAMPED WHITE. LOGO SHALL BE SHARP AND CLEAR.~~
 11. LETTERING IN THIS AREA SHALL BE 8 PT. "HELVETICA LIGHT" HOT STAMPED WHITE AND SHALL BE SHARP AND CLEAR
 12. CENTER WORDS ON CENTERLINE OF OPENINGS



SEE SHEET 2 FOR VARIATIONS ON HOT STAMPING (SECTION C-C)



APPROVED VENDORS
HY-TEN DIE & DEVELOPMENT CORP.

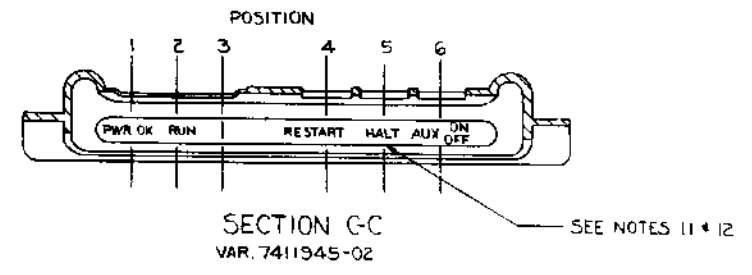
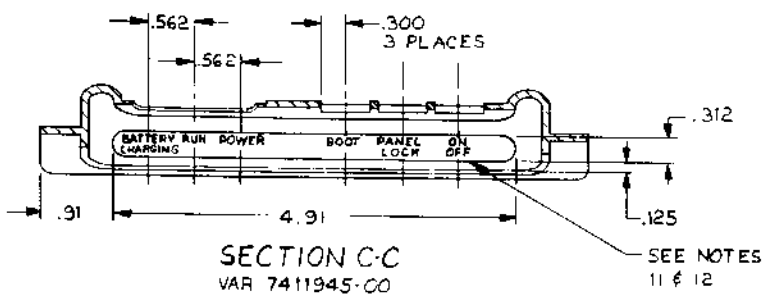
REV.	DATE	BY	CHK	DESCRIPTION
1	12-17-74	J. KALAGHER		
2	1-15-75	P. GARDNER		
3	2-14-75	R. MARTEL		
4	3-18-75	R. MARTEL		
5	3-18-75	J. KALAGHER		
6	3-18-75	J. KALAGHER		
7	3-18-75	J. KALAGHER		
8	3-18-75	J. KALAGHER		

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 8A, 11/03					
DIMENSIONAL TOLERANCE		PARTS LIST			
DIMENSIONS ARE UNLESS OTHERWISE SPECIFIED		DRN	D. GILLEY	DATE	4-3-74
MILLIMETERS		CHKD	J. KALAGHER	DATE	4-2-74
INCHES		ENG	J. KALAGHER	DATE	4-2-74
ANGLES		DRG	J. KALAGHER	DATE	4-2-74
THREAD ANGLE PROJECTION		PROB	J. KALAGHER	DATE	4-2-74
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		NEXT HIGHER ASSY.			
MATERIAL		D-IA-1010038-0-0		SIZE CODE	DMD
FINISH GRAY (SEE NOTE 4 & 5)		SCALE 1/1		NUMBER	7411945-0-0
		SHEET 1 OF 2		REV.	F

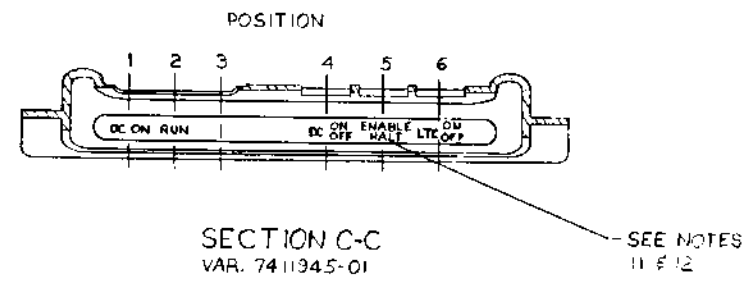
DMD 7411945-0-0 F

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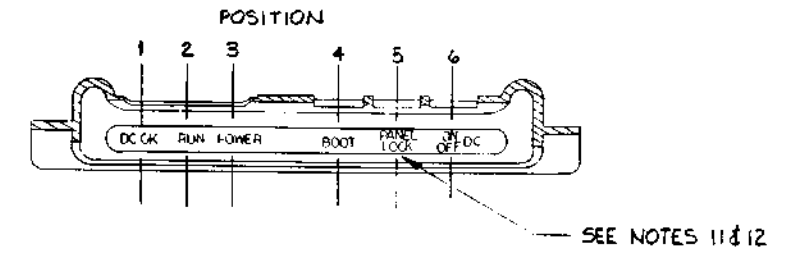
0-0-945-0-2



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.	
CHANGE NO.	
CHEK	

THIRD ANGLE PROJECTION	DRW. D. GILLEY 4-1-74	FIRST USED ON	POP8A/1103 digital
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D J. KALAGHER 4-29-74	TITLE	FRAME
DO NOT SCALE DWG	ENGR. J. KALAGHER 4-29-74	MATERIAL	NORYL
DO NOT SCALE DWG	PROJ. ENGR. P. CAULICH 8-2-74	FINISH	GRAY (SEE NOTE 45)
DO NOT SCALE DWG	PROD. W. PETT 8-20-74	SCALE	1/1
DO NOT SCALE DWG	DO NOT SCALE DWG	SIZE	D MD
DO NOT SCALE DWG	DO NOT SCALE DWG	NUMBER	741194500
DO NOT SCALE DWG	DO NOT SCALE DWG	REV.	F
DO NOT SCALE DWG	DO NOT SCALE DWG	SHEET	2 OF 2
DO NOT SCALE DWG	DO NOT SCALE DWG	DIST.	

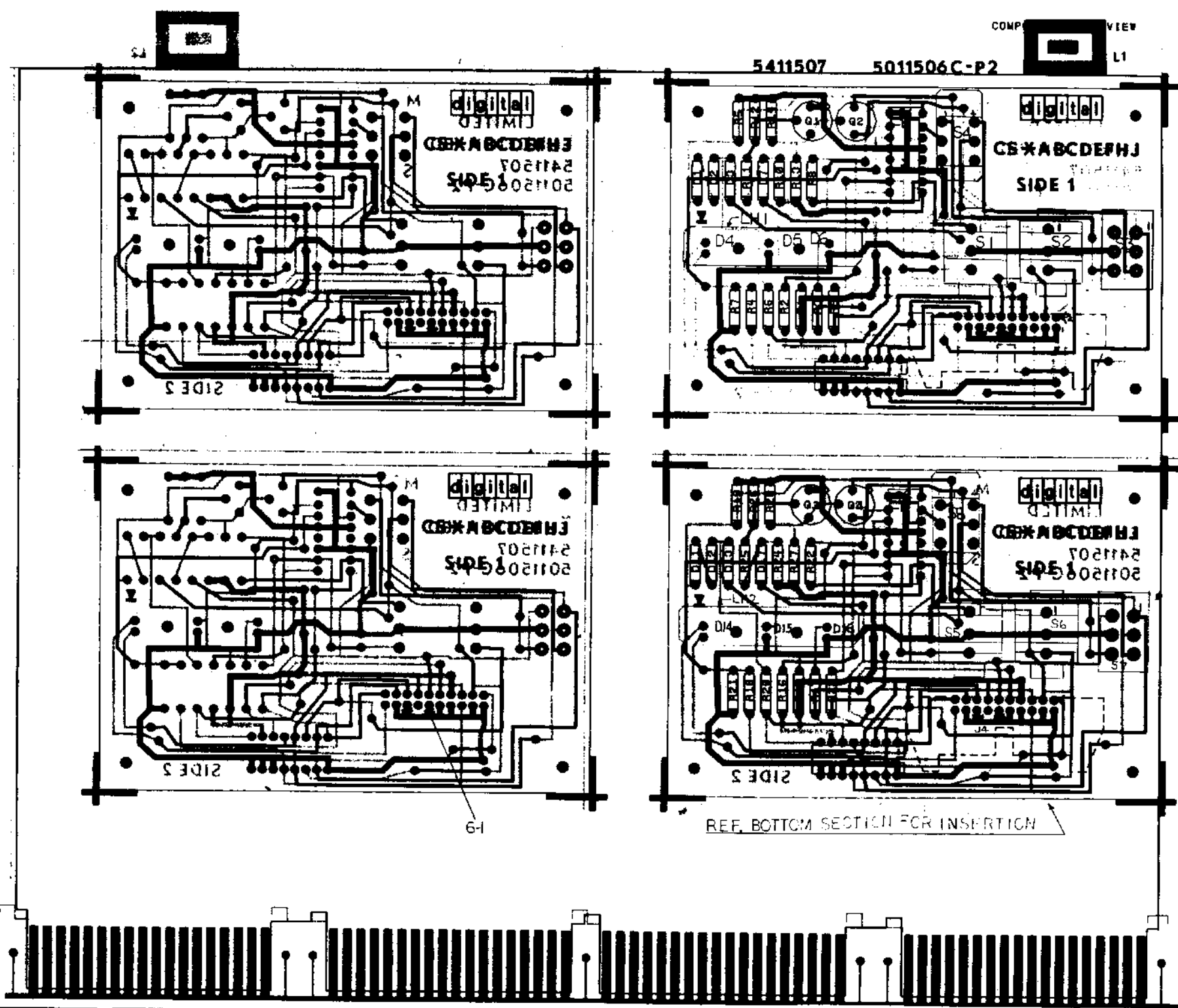
DIG 741194500

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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 (20 PIN BERG)



NOTES:

CHANGE NO	REV	DATE	BY
5411507-5	E	6-13-77	W. G. ...
5411507-6	F	6-13-77	P. G. ...

HOLE DATA	
SYMBOL	+ A X + Z W Δ D φ *
FIN HOLE SIZE	.042 .172 .073
PLATED	✓ ✓
NON PLATED	✓
QTY.	278 12 36
○-OFF GRD HLE	1
DRILL SIZE	

BOARD FABRICATION INFORMATION	
PANEL SIZE	8.5 X QUAD
PANEL DATA DVC.	8
PANEL MAT'L	.052 THK.
QTY. OF LAYERS	2
COPPER THICKNESS	1OZ.
PTH. X	PRINT AND ETCH
MODULE INSERTED	100 TIMES OR MORE?

SIGNATURES		DATE
ORN.	W. G. ...	6-13-77
CHK'D.	P. G. ...	6-13-77
PROJ. ENG.	P. G. ...	6-13-77
PROD.	P. G. ...	6-13-77

TITLE			digital		
LIMITED FUNCTION BOARD					
SCALE	SIZE	CODE	NUMBER	REV	
SHT. OF 1	D AH	5411507-0-5	F		
NEXT HIGHER ASSY.			ETCH REV C		

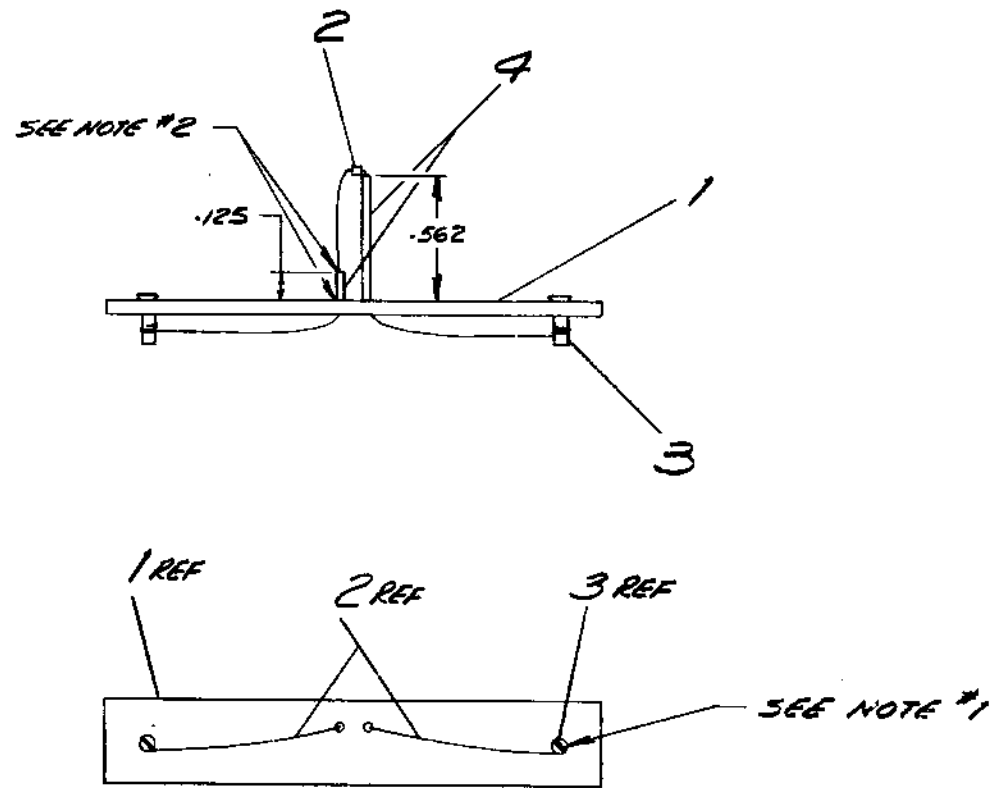
D/AH 5411507-0-5 F

1 MS#

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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



BOTTOM VIEW

QTY	DESCRIPTION	DWG. PART NO.	ITEM NO.
1/2	CEMENT, PERMA BOND	9009157-00	5
1/2	TUBING #22 AWG (BLK)	9107256-00	4
2	LUG, SPLIT	9006735-00	3
1	THERMISTOR	1313149-00	2
1	BOARD, THERMISTOR	C-1A-7013269-0-0	1

ANGLES ±0° 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 ∞
	MEDIUM <input type="checkbox"/>	±.004	±.008	±.012	±.016	±.024	±.04
	PREFERRED <input checked="" type="checkbox"/>	±.012	±.016	±.025	±.04	±.063	±0.1

THIRD ANGLE PROJECTION	DATE: 26 Aug 76	FIRST USED ON	digital
REMOVE BURRS AND BREAK SHARP CORNERS	CHKD: [Signature] 8/29/76	TITLE	BOARD ASSY, THERMISTOR
DO NOT SCALE DWG	PROG: [Signature] 8/29/76	SIZE	C
MATERIAL SEE PARTS LIST	PROV: [Signature] 26 Aug 76	CODE	IA
FINISH		NUMBER	7013268-0-0
		DIST.	

REV.	
CHG	
CHK	

REV. NUMBER C IA 7013268-0-0

A

A

D

D

C

C

B

B

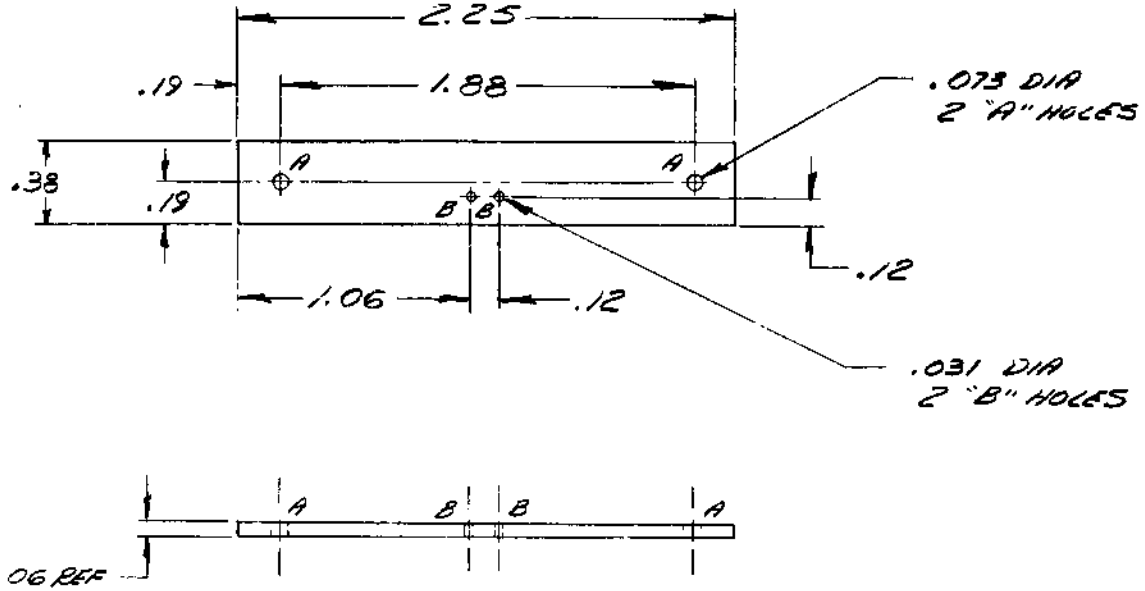
A

A

A

A

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REVISIONS	REV.
CHK	CHANGE NO.

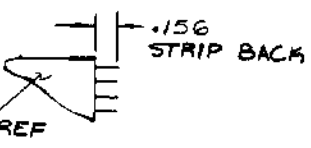
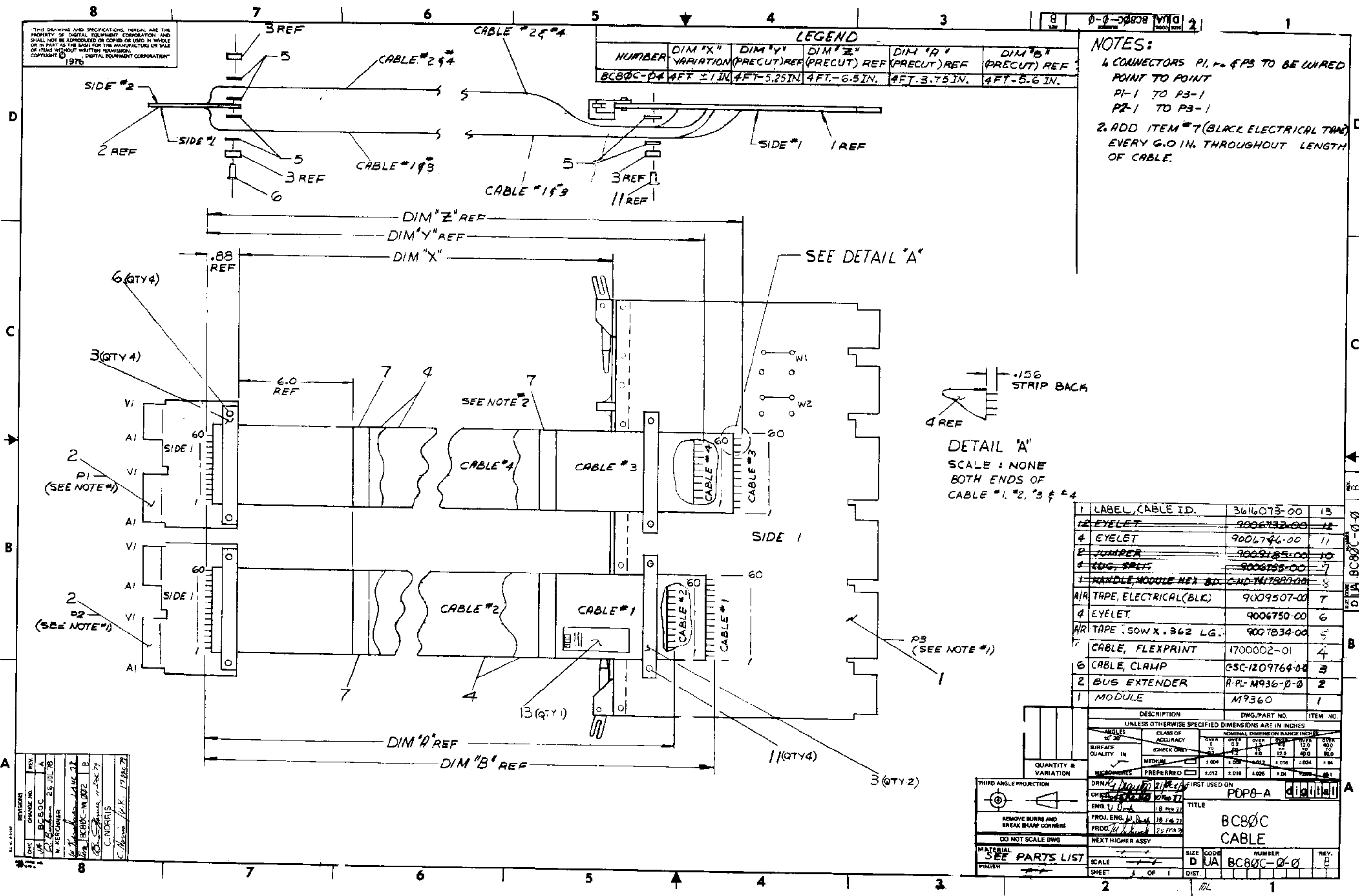
QUANTITY & VARIATION	DESCRIPTION	DWG./PART NO.	ITEM NO.
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
	ANGLES 90° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES
		MEDIUM <input type="checkbox"/>	OVER 0 TO 0.2
		PREFERRED <input checked="" type="checkbox"/>	OVER 0.2 TO 1.2
			OVER 1.2 TO 4.0
			OVER 4.0 TO 12.0
			OVER 12.0 TO 40.0
			OVER 40.0 TO 80.0
			OVER 80.0 TO 100.0
THIRD ANGLE PROJECTION	FIRST USED ON		
REMOVE BURRS AND BREAK SHARP CORNERS	BAB-C		
DO NOT SCALE DWG	TITLE		
	BOARD, THERMISTOR		
MATERIAL	C-3A-701326B-0-0	SIZE	CODE
.06 THK G10 BOARD	SCALE 2/1	C	MD
FINISH	SHEET 1 OF 1	DIST.	NUMBER
			7417535-0-0
			REV.

SIZE CODE C MD NUMBER 7417535-0-0 REV.

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NUMBER	DIM "X" VARIATION	DIM "Y" (PRECUT) REF	DIM "Z" (PRECUT) REF	DIM "A" (PRECUT) REF	DIM "B" (PRECUT) REF
BC80C-04	4 FT ± 1 IN.	4 FT-5.25 IN.	4 FT-6.5 IN.	4 FT-3.75 IN.	4 FT-5.6 IN.

NOTES:
 1. CONNECTORS P1, P2 & P3 TO BE WIRED POINT TO POINT
 P1-1 TO P3-1
 P2-1 TO P3-1
 2. ADD ITEM #7 (BLACK ELECTRICAL TAPE) EVERY 6.0 IN. THROUGHOUT LENGTH OF CABLE.



DETAIL "A"
 SCALE: NONE
 BOTH ENDS OF CABLE #1, #2, #3 & #4

DESCRIPTION	DWG. PART NO.	ITEM NO.
1 LABEL, CABLE I.D.	3616073-00	13
12 EYELET	9006732-00	12
4 EYELET	9006746-00	11
2 JUMPER	9009185-00	10
4 TUG, SREF	9006755-00	9
1 HANDLE, MODULE HEX SO. COND. TAIL	9006755-00	8
A/R TAPE, ELECTRICAL (BLK)	9009507-00	7
4 EYELET	9006750-00	6
A/R TAPE .50W X .362 LG.	9007834-00	5
7 CABLE, FLEXPRINT	1700002-01	4
6 CABLE, CLAMP	GSC-1209764-04	3
2 BUS EXTENDER	A-PL-M936-0-0	2
1 MODULE	M9360	1

ANGLES	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE (INCHES)					
10°-20°	CHECK ONLY	0	0.2	0.5	1.0	2.0	4.0
SURFACE QUALITY IN	MEDIUM	1.004	1.008	1.012	1.016	1.024	1.04
MICROFINISH	PREFERRED	1.012	1.016	1.024	1.04	1.08	1.12

THIRD ANGLE PROJECTION	DRINKY, D. J. / 11/18/77	FIRST USED ON	POP8-A digital
REMOVE BURS AND BREAK SHARP CORNERS	ENGR. J. D. / 18 Feb 77	TITLE	BC80C CABLE
DO NOT SCALE DWG	PROJ. ENG. W. D. / 18 Feb 77	SIZE	D UA
MATERIAL FINISH	PROD. M. D. / 25 Feb 77	NUMBER	BC80C-0-0
SEE PARTS LIST	NEXT HIGHER ASSY.	REV.	B
SCALE	SHEET 1 OF 1	DIST.	

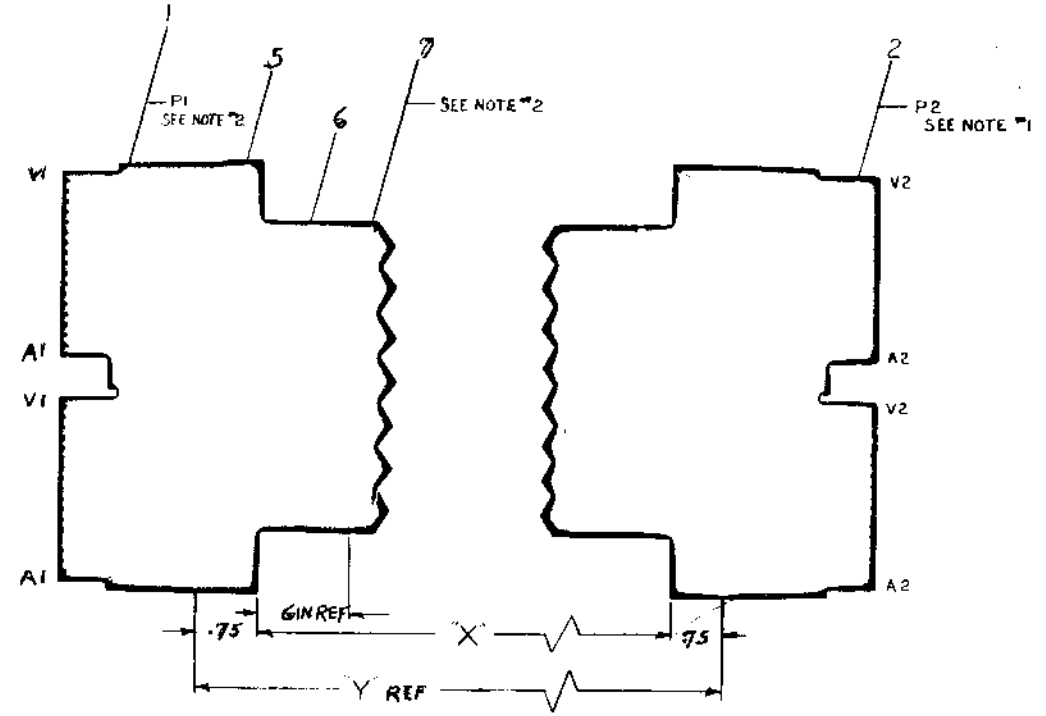
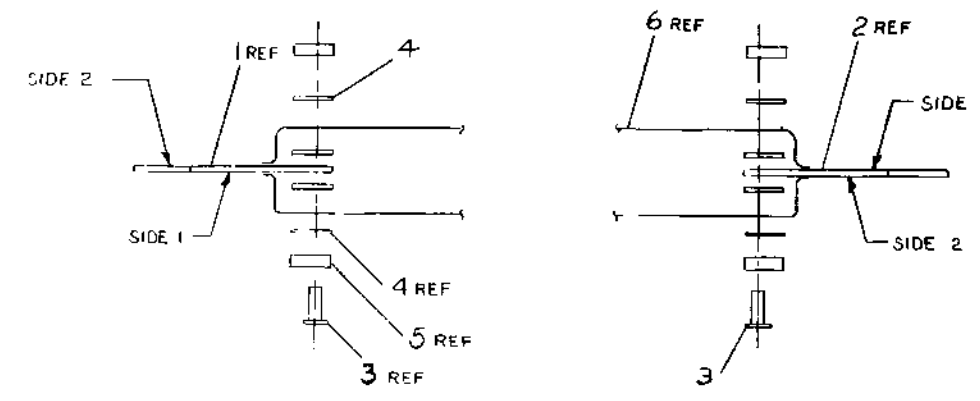
REV.	DATE	BY	CHKD.
A	26 JUL 76	W. KERCHNER	
B	11 DEC 77	C. MORRIS	
C	17 DEC 77	C. MORRIS	

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8-0-H8008
REV. 2

LEGEND			
PART NUMBER	VARIATION		
	USED ON	DIM X	DIM Y (PRECUT) REF.
BC08H-3F	PDP 8/E	3FT 4IN ± 1IN	3FT 7.5 IN
BC08H-4F	PDP 8/M	4FT 6IN ± 1IN	4FT 7.5 IN
BC08H-0F	KIT 8 A	6IN ± .5 IN	7.5 IN
BC08H-1F	BABC	1FT 6IN ± .5 IN	1FT 7.5 IN
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 6 IN. FOR THE LENGTH OF THE CABLE.
 - THIS CABLE MAY NOT BE BUILT IN ANY LENGTH LONGER THAN THE BC08H-4F.



QTY.	DESCRIPTION	PART NO.	ITEM NO.
NR	TAPE SCOTCH #33 BLK ELECT		7
NR	FLEXPRINT CABLE	9105692-6	6
4	CABLE CLAMP	CS-1209764-0-0	5
NR	TAPE #4032 .50W X 3.62 LG	9007834	4
4	EYELETS-4-11 STIMPSON	9006750	3
1	CABLE CONNECTOR M 937	A-PL-M937-0-0	2
1	CABLE CONNECTOR M 936	A-PL-M936-0-0	1

REV	CHANGE NO	BY	DATE
A		HICCOCK	00001
B		GARDNER	00002
C		GARDNER	00003
D		GARDNER	00004
E		GARDNER	00005
F		GARDNER	00006
G		GARDNER	00007
H		GARDNER	00008
I		GARDNER	00009
J		GARDNER	00010
K		GARDNER	00011
L		GARDNER	00012
M		GARDNER	00013
N		GARDNER	00014
O		GARDNER	00015
P		GARDNER	00016
Q		GARDNER	00017
R		GARDNER	00018
S		GARDNER	00019
T		GARDNER	00020
U		GARDNER	00021
V		GARDNER	00022
W		GARDNER	00023
X		GARDNER	00024
Y		GARDNER	00025
Z		GARDNER	00026
AA		GARDNER	00027
AB		GARDNER	00028
AC		GARDNER	00029
AD		GARDNER	00030
AE		GARDNER	00031
AF		GARDNER	00032
AG		GARDNER	00033
AH		GARDNER	00034
AI		GARDNER	00035
AJ		GARDNER	00036
AK		GARDNER	00037
AL		GARDNER	00038
AM		GARDNER	00039
AN		GARDNER	00040
AO		GARDNER	00041
AP		GARDNER	00042
AQ		GARDNER	00043
AR		GARDNER	00044
AS		GARDNER	00045
AT		GARDNER	00046
AU		GARDNER	00047
AV		GARDNER	00048
AW		GARDNER	00049
AX		GARDNER	00050
AY		GARDNER	00051
AZ		GARDNER	00052
BA		GARDNER	00053
BB		GARDNER	00054
BC		GARDNER	00055
BD		GARDNER	00056
BE		GARDNER	00057
BF		GARDNER	00058
BG		GARDNER	00059
BH		GARDNER	00060
BI		GARDNER	00061
BJ		GARDNER	00062
BK		GARDNER	00063
BL		GARDNER	00064
BM		GARDNER	00065
BN		GARDNER	00066
BO		GARDNER	00067
BP		GARDNER	00068
BQ		GARDNER	00069
BR		GARDNER	00070
BS		GARDNER	00071
BT		GARDNER	00072
BU		GARDNER	00073
BV		GARDNER	00074
BW		GARDNER	00075
BX		GARDNER	00076
BY		GARDNER	00077
BZ		GARDNER	00078
CA		GARDNER	00079
CB		GARDNER	00080
CC		GARDNER	00081
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CE		GARDNER	00083
CF		GARDNER	00084
CG		GARDNER	00085
CH		GARDNER	00086
CI		GARDNER	00087
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CN		GARDNER	00092
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CJ		GARDNER	00138
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CD		GARDNER	00282
CE		GARDNER	00283
CF		GARDNER	00284
CG		GARDNER	00285
CH		GARDNER	00286
CI		GARDNER	00287
CJ</			

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WIRE TABLE

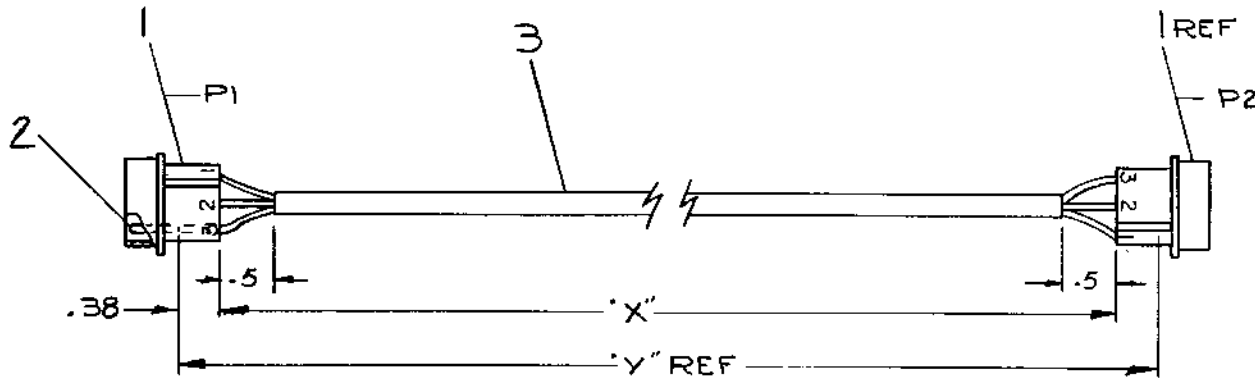
ITEM NO	DESCRIPTION	FROM		TO		
		AWG	COLOR	CONNECTION	WITH	CONNECTION
3	22	RED	PI-1	2	P2-1	2
3	22	BLK	PI-2	2	P2-2	2
3	22	GRN	PI-3	2	P2-3	2

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 SLACK AT JACKET (BOTH ENDS)~~



REV.	CHG. NO.	REV.
1	7008288-00001	A
2	7008288-00002	B
3	7008288-00003	C
4	7008288-00004	D
5	7008288-00005	E
6	7008288-00006	F
7	7008288-ML007	J

FIRST USED ON OPTION/MODEL
PDP/11

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
FINISH #

A/R WIRE, 3 COND #22 AWG	9107756	3
G PIN MALE #60620-1	1209378-03	2
Z PIN HOUSING #1-480305-0	1209351-03	1

QTY. DESCRIPTION PART NO. ITEM NO.

PARTS LIST

DRN. *St. Anderson* DATE 3/23/71
 CHR'D. *ST* DATE 3-31-71
 ENGR. *CRB/las* DATE 4-7-71
 PROJ. ENG. *CRB/las* DATE 4-7-71
 PROD. *W. G. Cole* DATE 4/2/71

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
CABLE ASSY

MATERIAL
D-UA-RKΦ2-0-Φ

SCALE #

SHEET 1 OF 1

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

REV. J
NUMBER
CIA 7008288-0-0

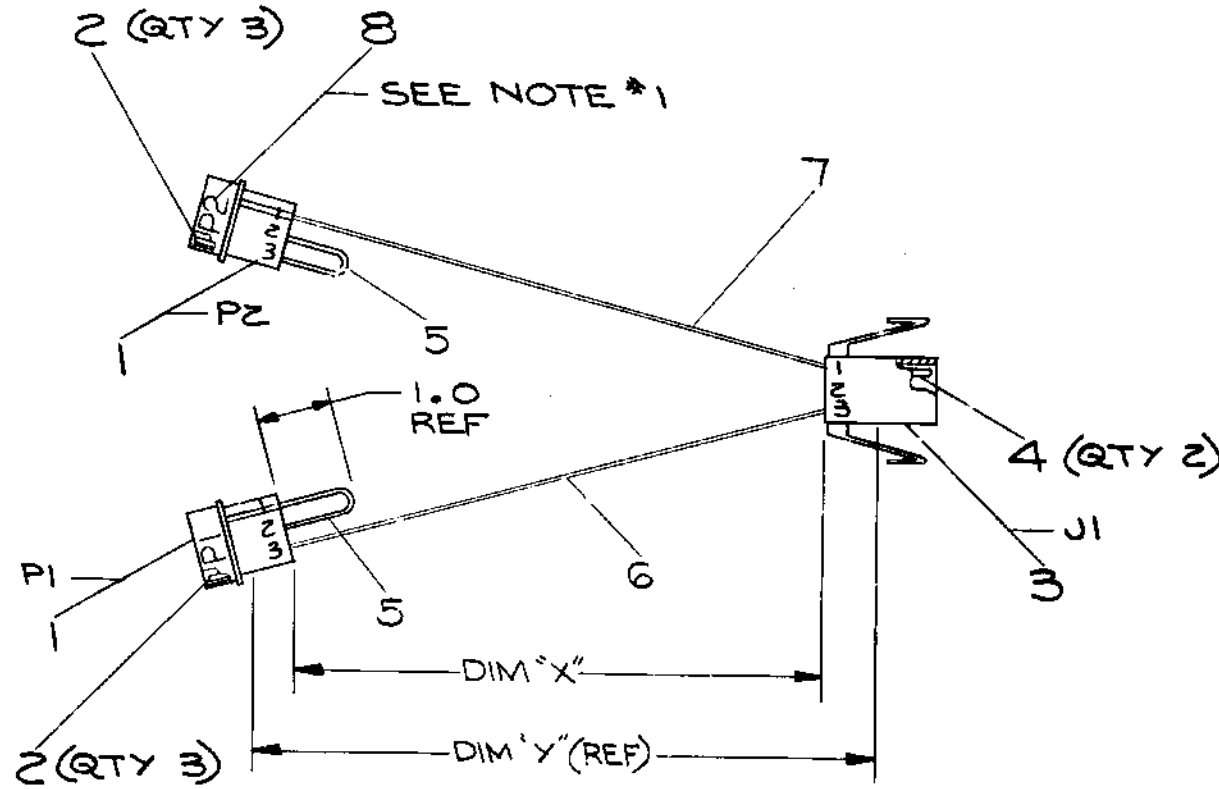
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WIRE TABLE

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:

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



LEGEND

NUMBER	DIM "X" VARIATION	DIM "Y" (PRECUT) REF
7013953-ØE	5.5 IN. ± .5 IN	6 IN ± .5 IN

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

REV.	CHANGE NO.	DATE	BY
A	00001	17 June 77	L. NARHI

THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
REMOVE BURRS AND BREAK SHARP CORNERS	CLASS OF ACCURACY (CHECK ONE)
DO NOT SCALE DWG	MEDIUM <input type="checkbox"/> ±.004 ±.008 ±.012 ±.016 ±.024 ±.04
MATERIAL SEE PARTS LIST	PREFERRED <input checked="" type="checkbox"/> ±.012 ±.016 ±.025 ±.04 ±.063 ±.1
FINISH	DESCRIPTION: FPPB-E
	TITLE: 8E POWER CONTROL ADAPTER CABLE
	SIZE: C IA 7013953-0-0
	SHEET: 1 OF 1

4 3 2 1

D C B A

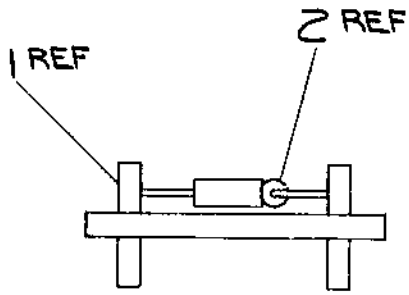
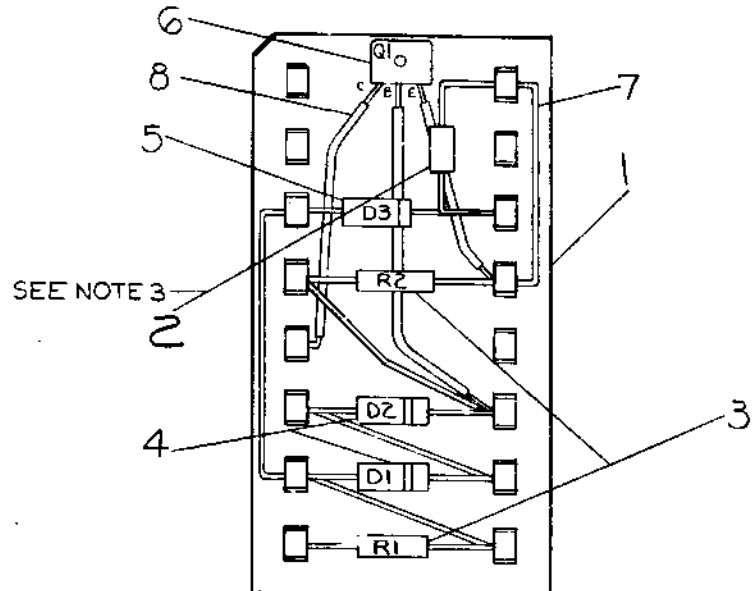
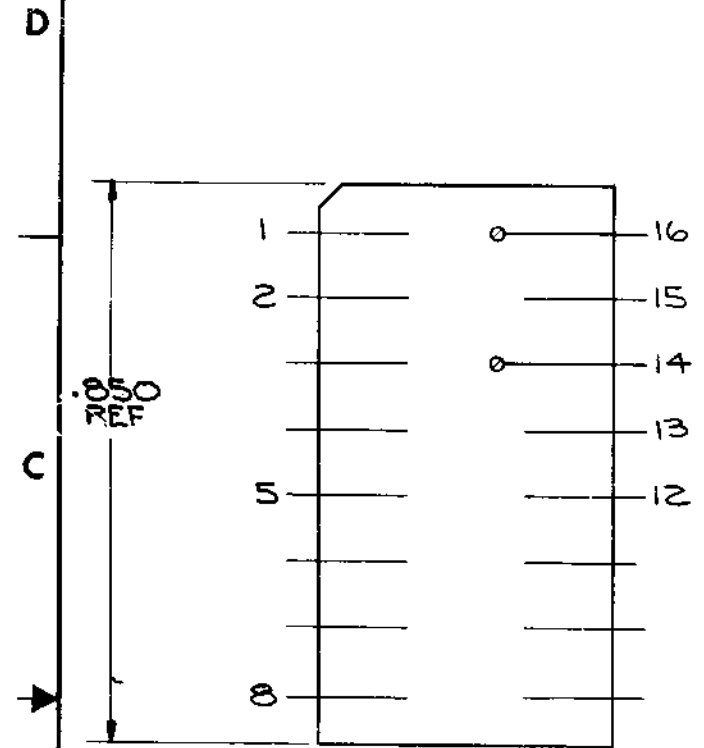
REV. 7013953-0-0 A

DEC FORM NO. 100-C

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NOTES:

1. CUT OFF COMPONENT ADAPTER PINS NO. 3, 4, 6, 7, 9, 10 & 11.
2. 01 VARIATION FOR USE ON H9300.
3. ITEM #2, INSULATED JUMPER CONNECTED AS SHOWN FOR 7013952-00 VARIATION ONLY. IN 7013952-01 VARIATION, ITEM #2 INSULATED JUMPER IS NOT USED.



QTY	DESCRIPTION	DWG./PART NO.	ITEM NO.
-	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

REV.	CHANGE NO.	DATE	BY	DESCRIPTION
A	7013952-00001	11 APR 77	W. DASH	W. DASH
B	7013952-00002	12 APR 77	W. DASH	W. DASH
C	7013952-00003	31 MAY 77	L. NARMI	L. NARMI

THIRD ANGLE PROJECTION 	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES 30° 30' CLASS OF ACCURACY (CHECK ONE) SURFACE QUALITY IN MEDIUM <input type="checkbox"/> ±.004 ±.008 ±.012 ±.016 ±.024 ±.04 PREFERRED <input checked="" type="checkbox"/> ±.012 ±.016 ±.025 ±.04 ±.063 ±0.1	FIRST USED ON FPP8-E digital
	REMOVE BURRS AND BREAK SHARP CORNERS DO NOT SCALE DWG MATERIAL SEE PARTS LIST FINISH	TITLE REMOTE INTERLOCK JUMPER ASSY NEXT HIGHER ASSY. D-UA-FPP8-E-0 SCALE 1:1 SHEET 1 OF 1