

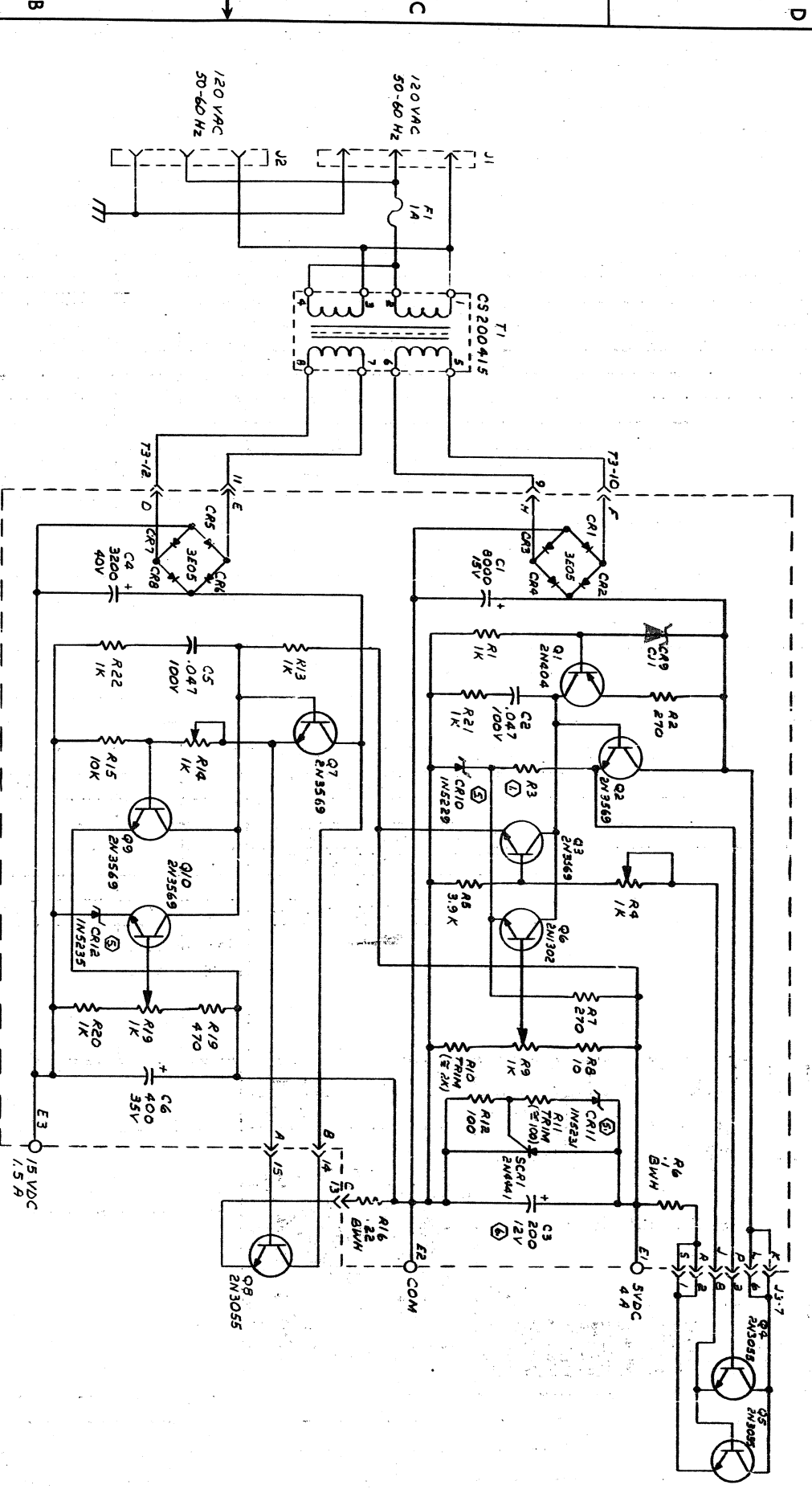
MASTER DRAWING LIST

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REV.	DATE	CHG. NO.	APP'D.	DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS												
A	9/71	00003	PS	CHK'D	DATE													
				<i>J.F. Fleming</i>	<i>8-27-71</i>	TITLE H716 POWER SUPPLY												
				ENG.	DATE													
				<i>A. Squire</i>	<i>8/27/71</i>													
				PROD. ENG.	DATE													
				<i>A. Squire</i>	<i>8/27/71</i>	SIZE A CODE ML NUMBER H716-Ø REV. A												
				PROD.	DATE													
				<i>A. Squire</i>	<i>8/31/71</i>	DIST.												
				FIRST USED ON														
				SCALE														
				SHEET 1 OF 2														

[illegible]

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- NOTES:
1. R3 IS A TRIM VALUE RESISTOR WITH AN APPROX VALUE OF "OPEN"
 2. ALL RESISTANCE VALUES ARE EXPRESSED IN OHMS.
 3. ALL RESISTORS ARE FIXED.
 4. ALL CAPACITOR VALUES ARE EXPRESSED IN MICROFARADS
 5. CR10 MAY BE MOTOROLA NO. 5E13477-2
 6. CR11 MAY BE MOTOROLA NO. 5E13477-4
 7. CR12 MAY BE MOTOROLA NO. 5E13477-5
 8. CAPACITORS C3 MAY BE TANTALUM 47UF, 6.3V
 9. RESISTANCE VALUE FOR R10 & R11 MAY BE CHANGED DURING FINAL TEST.

REVISIONS		
CHK	CHANGE NO.	REV
1	3009282-00001	C
REDRAWN & REVISED		

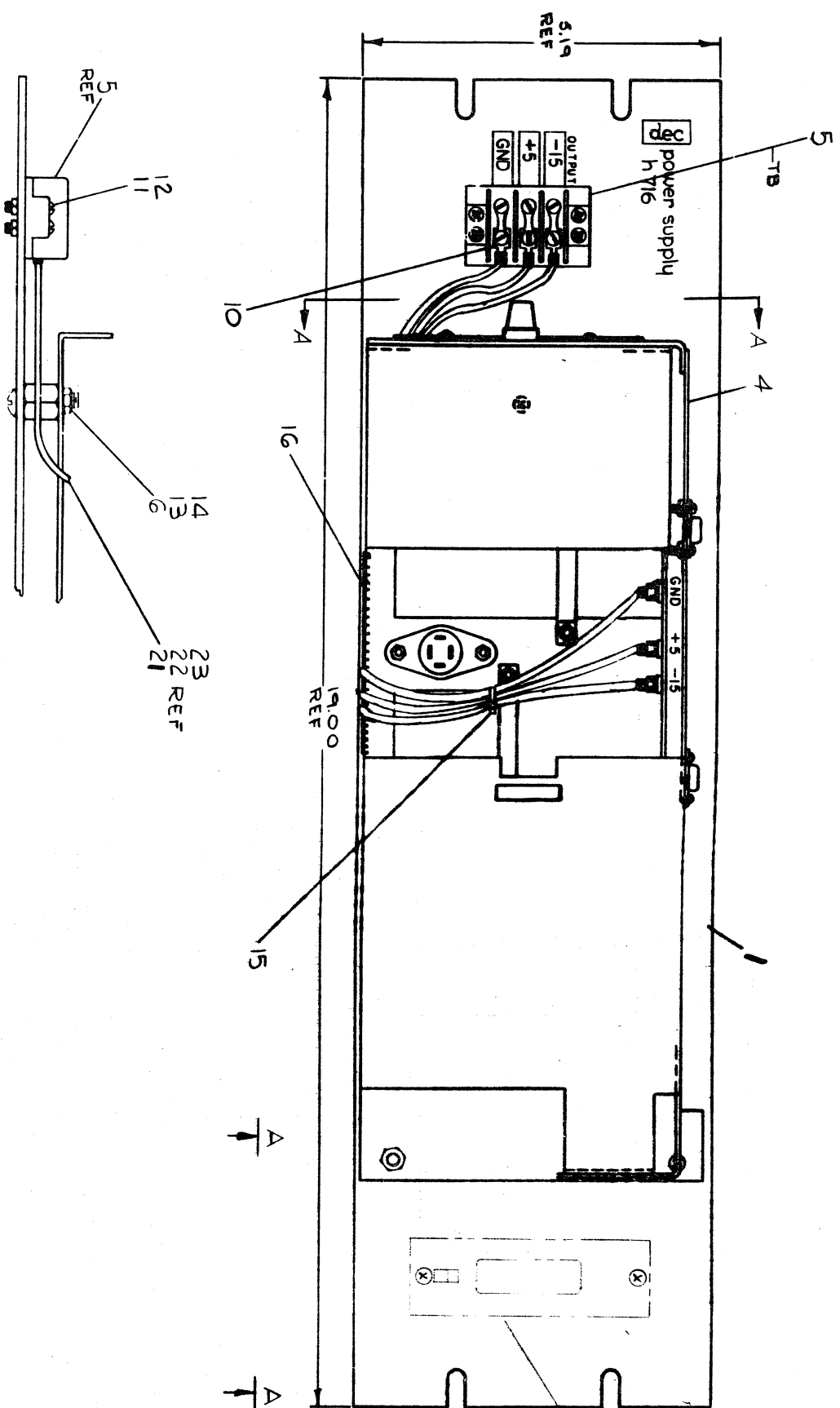
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
DIMENSION IN INCHES		DATE	DATE	DATE	DATE
TOLERANCES		1/16	3/16	1/2	3/4
DECIMALS		1/100	1/100	1/100	1/100
ANGLES		1/16	1/16	1/16	1/16
X.XX ± .005		1/16	1/16	1/16	1/16
X.X ± .02		1/16	1/16	1/16	1/16
X ± .1		1/16	1/16	1/16	1/16
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		1/16	1/16	1/16	1/16
MATERIAL		1/16	1/16	1/16	1/16
FINISH		1/16	1/16	1/16	1/16
SCALE NONE		1/16	1/16	1/16	1/16
SHEET 1 OF 1		1/16	1/16	1/16	1/16
SIZE CODE		1/16	1/16	1/16	1/16
DCS 3009282-0-0		1/16	1/16	1/16	1/16
NUMBER		1/16	1/16	1/16	1/16
REV. C		1/16	1/16	1/16	1/16

digital EQUIPMENT CORPORATION
H-716P.S.

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LEGEND	
NUMBER	VARIATION
H716-φ	WAINLESS PS WITH HCV RECEPTACE
H716-A	H716 WITH 230V RECEPTACE
H716-B	19"H716 (115V RECEPTACE)
H716-C	H716-B WITH CIRCUIT RELAY SWITCHED FROM + 5V (115V)
H716-D	H716-B WITH 230V RECEPTACE

NOTE 5:
1. FOR H716-A OR H716-D (230V)
REMOVE EXISTING DECAL AND
ADD NEW DECAL (ITEM #25).



SEE VIEW A-A
NEXT.

REVISIONS		
CHK	CHANGE NO.	REV.

FIRST USED ON OPTION/MODELL
ADD 1

UNLESS OTHERWISE SPECIFIED
Dimensions in inches

TO SPECIES

AXLES
FUEL SERVICE QUALITY
REPAIR SHOPS AND BREAK SHOPS

NATURAL

FINISH

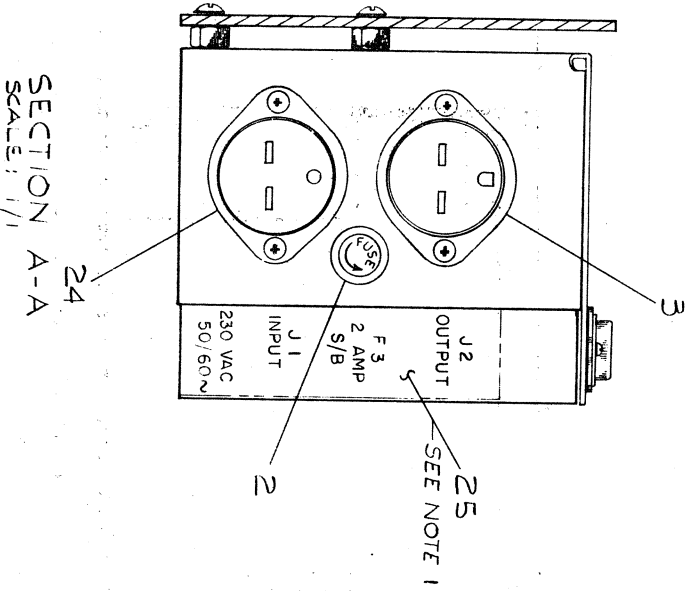
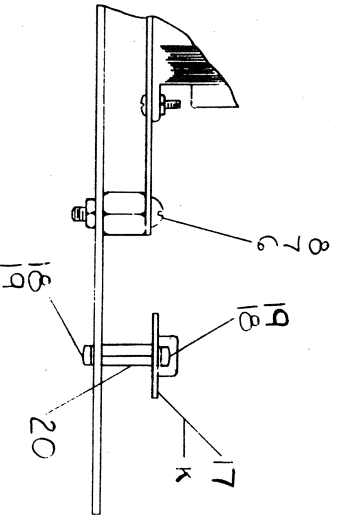
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SIZE	CODE	NUMBER	REV
D	UA	H716-0-0	

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WIRE TABLE H716-B4D				
ITEM NO.	DESCRIPTION	FROM CONNECTION	TO CONNECTION	WITH
23 18	BLK	PS - GND	TB - GND	10
21 18	RED	PS - + 5	TB - + 5	10
22 18	BLU	PS - -15	TB - -15	10

WIRE TABLE H716-C				
ITEM NO.	DESCRIPTION	FROM CONNECTION	TO CONNECTION	WITH
23 18	BLK	PS - GND	TB - GND	10
23 18	BLK	PS - GND	TB - GND	10
21 18	RED	PS - + 5	TB - + 5	10
21 18	RED	PS - + 5	TB - + 5	10
22 18	BLU	PS - -15	TB - -15	10
22 18	BLU	PS - -15	TB - -15	10



REVISIONS	
REV	CHANGE NO

FIRST USED ON OPTION/MODEL		QTY	DESCRIPTION	PART NO	ITEM NO
UNLESS OTHERWISE SPECIFIED		DRN	DATE	PARTS LIST	
DIMENSION IN INCHES		CHK'D	DATE	digital EQUIPMENT CORPORATION	
TOLERANCES		ENG	DATE	POWER SUPPLY	
DECIMALS		PROJ	DATE	H716	
ANGLES		DATE	DATE	H716	
X 1		DATE	DATE	H716	
X 2		DATE	DATE	H716	
X 3		DATE	DATE	H716	
X 4		DATE	DATE	H716	
X 5		DATE	DATE	H716	
X 6		DATE	DATE	H716	
X 7		DATE	DATE	H716	
X 8		DATE	DATE	H716	
X 9		DATE	DATE	H716	
X 10		DATE	DATE	H716	
X 11		DATE	DATE	H716	
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X 151		DATE	DATE	H716	
X 152		DATE	DATE	H716	
X 153		DATE	DATE	H716	
X 154</					

MAYNARD, MASSACHUSETTS

QUANTITY VARIATION

ITEM NO	DWG NO. / PART NO.	DESCRIPTION
1	D-IA-7408142-0-0	MOUNTING PANEL H716
1	D-IA-7408142-1-0	MOUNTING PANEL H716
1	D-IA-7408142-2-0	MOUNTING PANEL H716
2	9007216	2 AMP S.B. FUSE
3	9008470	FEMALE A.C. CONN
4	3009282	H716 POWER SUPPLY
5	9007631	TERM STRIP #3-541 JONES
6	9006829	SPACER 1/2 AF X 3/8 LG #10 HOLE
7	9006027-1	SCR PHL HD PAN 6-32 X 7/8 LG
8	9006560	NUT KEPS #6-32
9	9007917	CONN SLDS ARK. #50902
10	9007929	CONN SLDS ARK. #50321
11	9006041-1	SCR PHL HD 8-32 X 3/4 LG
12	9006563	NUT KEPS 8-32
13	9006076-1	SCR PH HD 10-32 X 7/8 LG
14	9006565	NUT KEPS #10-32
15	9007031	TIE WRAP #SST-1-B
16	9007622	CATAPILLAR GROMMET
17	C-IA-5408857-0-0	+15V POWER SEQUENCING BD
18	9006022-1	SCR PHL HD 6-32 X 3/8 LG
19	9006633	WASHER INT TOOTH #6
20	9006857	SPACER 1/4 AF X 5/8 LG 6-32

QUANTITY VARIATION					
H716-Ø	H716-A	H716-B	F716-C	H716-D	
-	-	1	-	-	
-	-	-	1	-	
-	-	-	-	1	
-	1	-	-	1	
-	1	1	1	1	
1	1	-	-	1	
-	-	1	1	1	
-	-	3	3	3	
-	-	2	2	2	
-	-	2	2	2	
-	-	3	3	3	
-	-	3	3	3	
-	-	4	4	4	
-	-	4	4	4	
-	-	1	1	1	
-	-	1	1	1	
-	-	A/RA/RA/R			
-	-	A/RA/RA/R			
-	-	-	1	-	
-	-	-	4	-	
-	-	-	4	-	
-	-	-	2	-	

DEC FORM DEC 16 (325) 1031 N870
DRA 110

MAYNARD, MASSACHUSETTS

QUANTITY / VARIATION

[illegible][illegible]

DEC FORM 16 (325) 1031 N870
DRA 110

H716 POWER SUPPLY

MECHANICAL

- Maximum Dimensions 5-1/4 H x 4-1/8 W x 12 D. Must mount on right end of DEC H911 Mounting Panel. See attached sketch.
- Power input via ARROW HART 5278 (or equivalent) connected with an HUBBELL 5256 (or equivalent) in parallel. Receptacles to be mounted in rear panel.
- Sheet metal construction to be sufficiently rigid to sustain without damage normal shipping shocks when riveted to an H911 Mounting Panel mounted in DEC standard 19" cabinet.
- Electrical connections (low voltage) by Faston Amp #42117-2 terminals. SOLDER FASTONS AND FUSE CLIPS TO RIVETS ON BOTH SIDES OF P/C BOARD.

ELECTRICAL

- Input: 47-63 HZ. (Normally supplied wired for 117 V, may be changed by tranformer tap connections.) 105-130 V, 117 V nominal, 210-260 V, 234 V. Nominal.
- Output 1: +5 volts (adjustable over range of 4.5 to 5.5) 0 - 4 AMPS MAXIMUM. Line-Load-Ripple total regulation $\pm 3\%$. Overvoltage protection threshold at 6-6.5 with a response time of 10-50 microseconds. Maximum voltage not to exceed 7 V.
- Output 2: -15 volts $\pm 5\%$ at 0 - 1.5 AMP MAXIMUM. Line-Load Ripple total regulation $\pm 5\%$.
- Above specifications over temperature 0-55°C ambient.
- Sheet #7 is AC Protection Bracket.

FIRST USED ON: TR02, DW0E

D.E.C. PART NO. 30-09282

PH-2

Date 1/6/69

Revisions

Change No. A: SOLDER OUTPUT LUGS AND FUSE CLIPS TO RIVETS. R. NUNBY 10/23/70

B: AMPHENOL CHANGED TO ARROW HART AND HUBBELL. DIMENSIONS CHANGED.

C: CHANGED DIMENSIONS FOR RECEPTACLES AS SHOWN ON SHEET 6 OF 7.

Eng R Cady
Drawn

Eng R L Bero
QC
Purch R Hughes

TITLE: H 716
POWER SUPPLY

Unless other specified use:

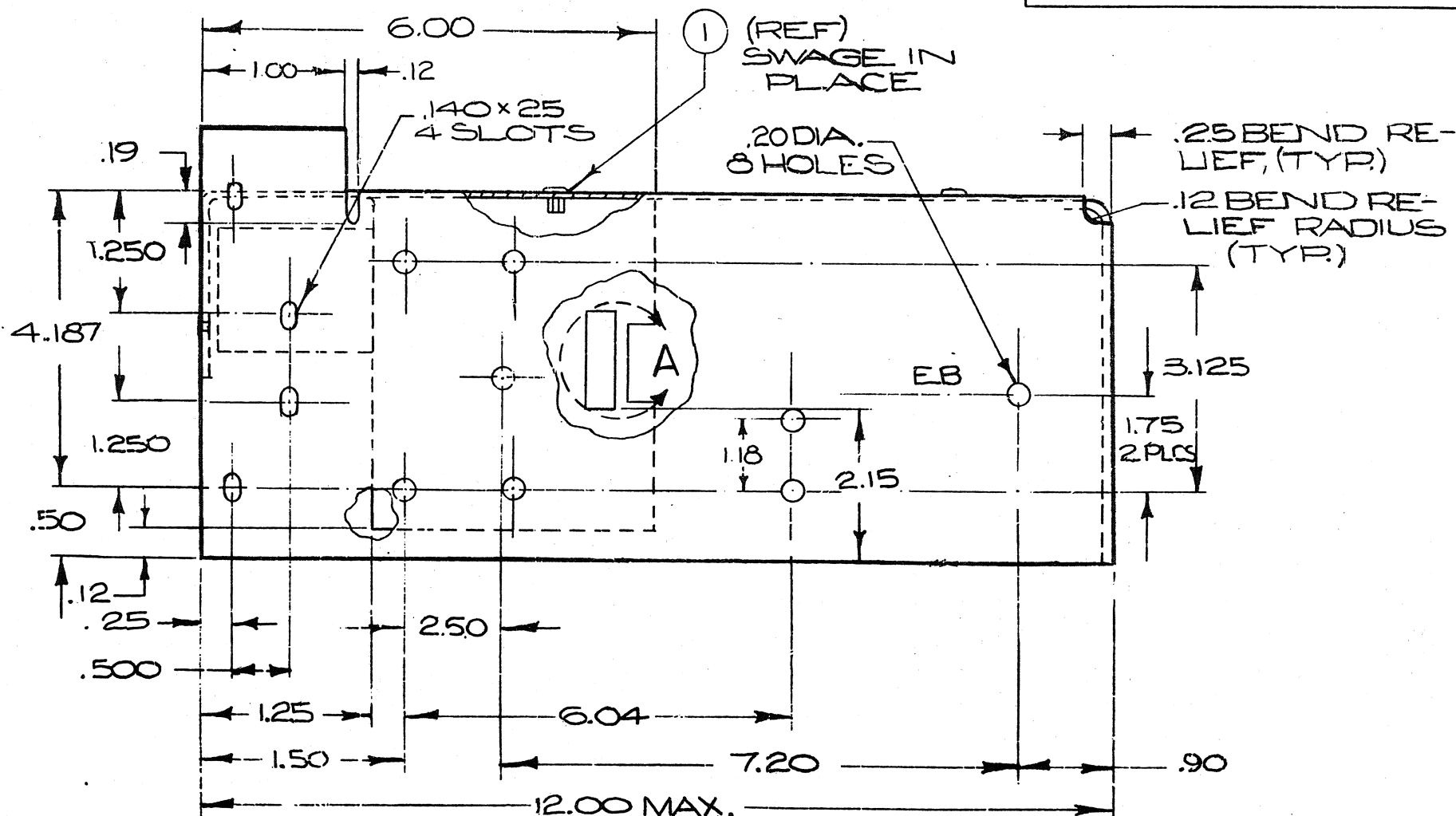
Fractions $\pm$	Decimals $\pm$	Angles $\pm$

Sheet 1 of 2 Scale

Number	Rev
30-09282	c

100-4 63

Date 1/8/69



Sheet 2 of 7
Number
30-09282

Scale -H
Rev
c

D.E.C. PART NO.
30-09282

digitalEQUIPMENT
CORPORATION

PURCHASE SPECIFICATION

Number

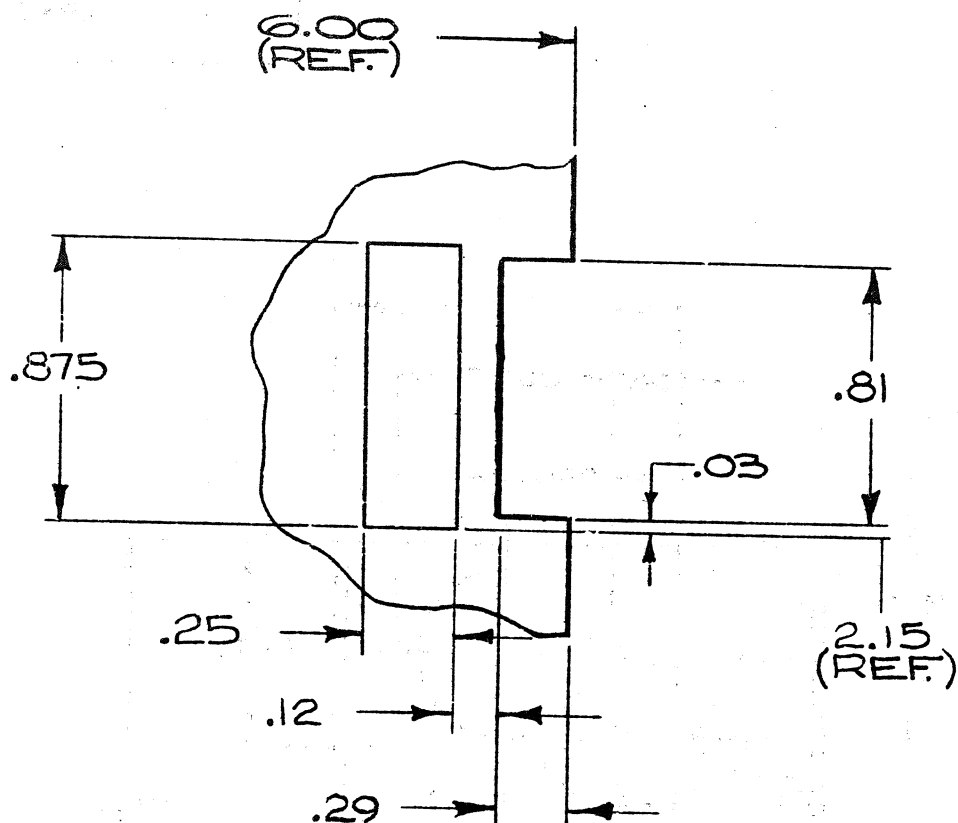
Rev

30-09282

c

Date

1/7/69



DETAIL A

D & C. PART NO.

30-09282

Sheet 3 of 7

Scale

H

Number

30-09282

Rev

c

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CORPORATION

PURCHASE SPECIFICATION

Number

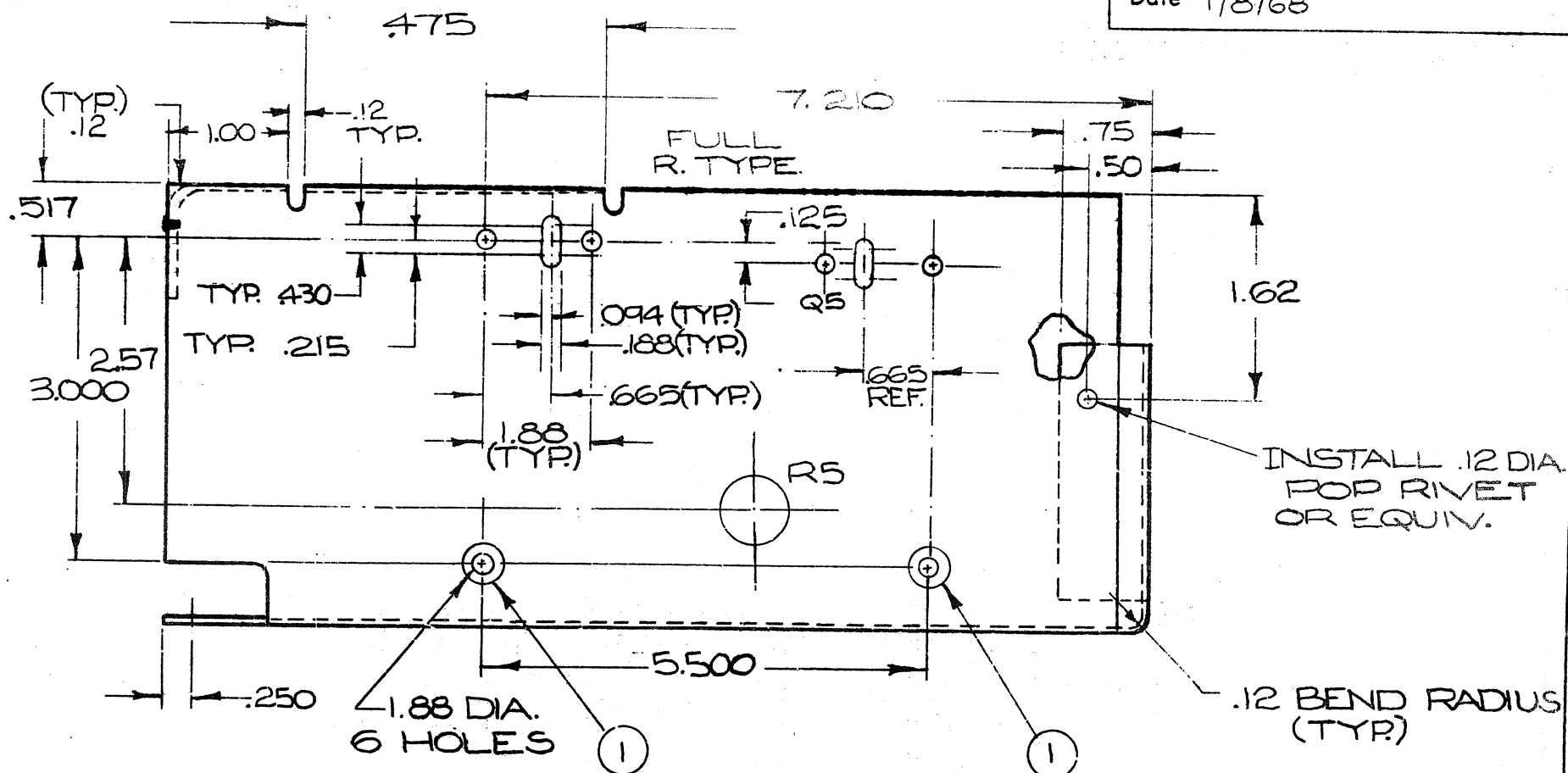
Rev

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Date

1/8/68



C. PART NO.

30-09282

Sheet 4 of 7

Scale

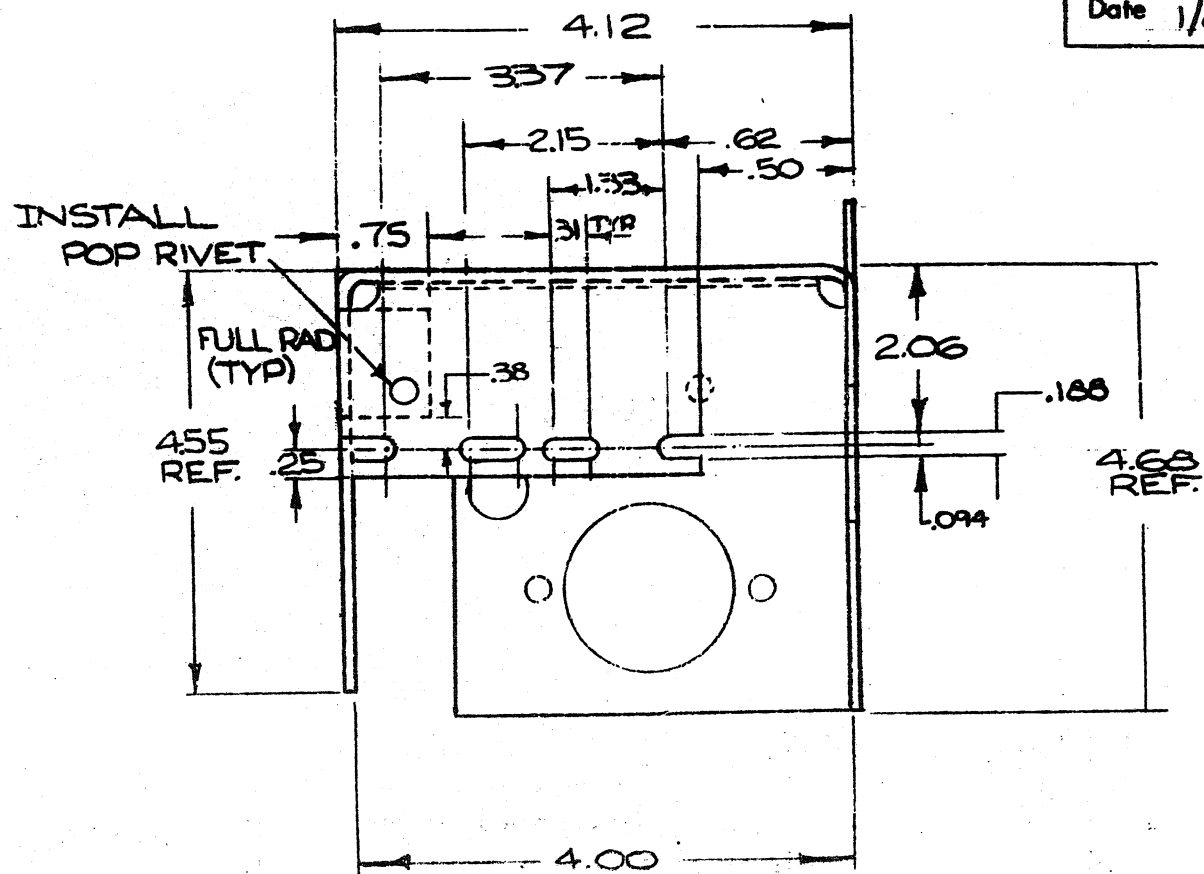
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Number

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Rev

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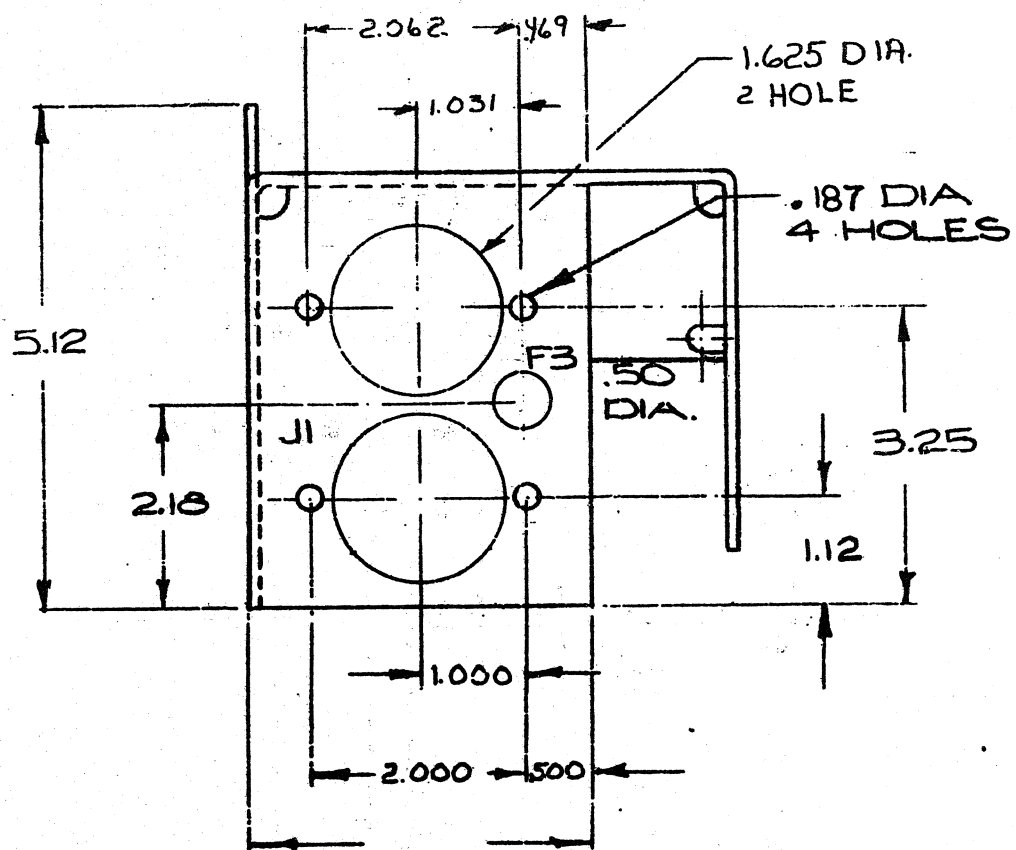
D.E.C. PART NO.
30-09282

Sheet 5 of 7

Scale 44

Number
30-09282

Rev



D.E.C. PART NO.
30-09282

Sheet 6 of 7

Scale ~~4~~

Number
30-09282

Rev

PURCHASE SPECIFICATION

30-09282

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Date _____

100/2



SIDE VIEW

5107

ΣΗΛΩΝΑΙ



200

30-09282

Sheet 7 of 7
Number

Scd
Rev

30-09282

9

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

DATE 2/18/71

TITLE Modification Procedure for H716

REVISIONS

REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE

ENG <i>Forrest</i>	APPD <i>Forrest</i>	SIZE A	CODE SP	NUMBER H716-0-1	REV
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ENGINEERING SPECIFICATION



CONTINUATION SHEET

TITLE Modification Procedure for H716

Incorporate the following modifications to change an H716 power supply to an H716-A or an H716-D power supply.

- 1) Replace the male AC power connector with DEC Part #90-8854
- 2) Replace the female AC power connector with DEC Part #90-8470
- 3) Replace the 3 amp S/B AC input fuse with DEC Part #9C-7216
- 4) Replace existing decal with new decal DEC Part # 5309717
- 5) Change the following jumpers on the transformer:

Delete	<u>From</u>	<u>To</u>
	Terminal 1	Terminal 3
	Terminal 2	Terminal 4
Add 18 AWG	Terminal 2	Terminal 3

SIZE A	CODE SP	NUMBER H716-0-1	REV
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