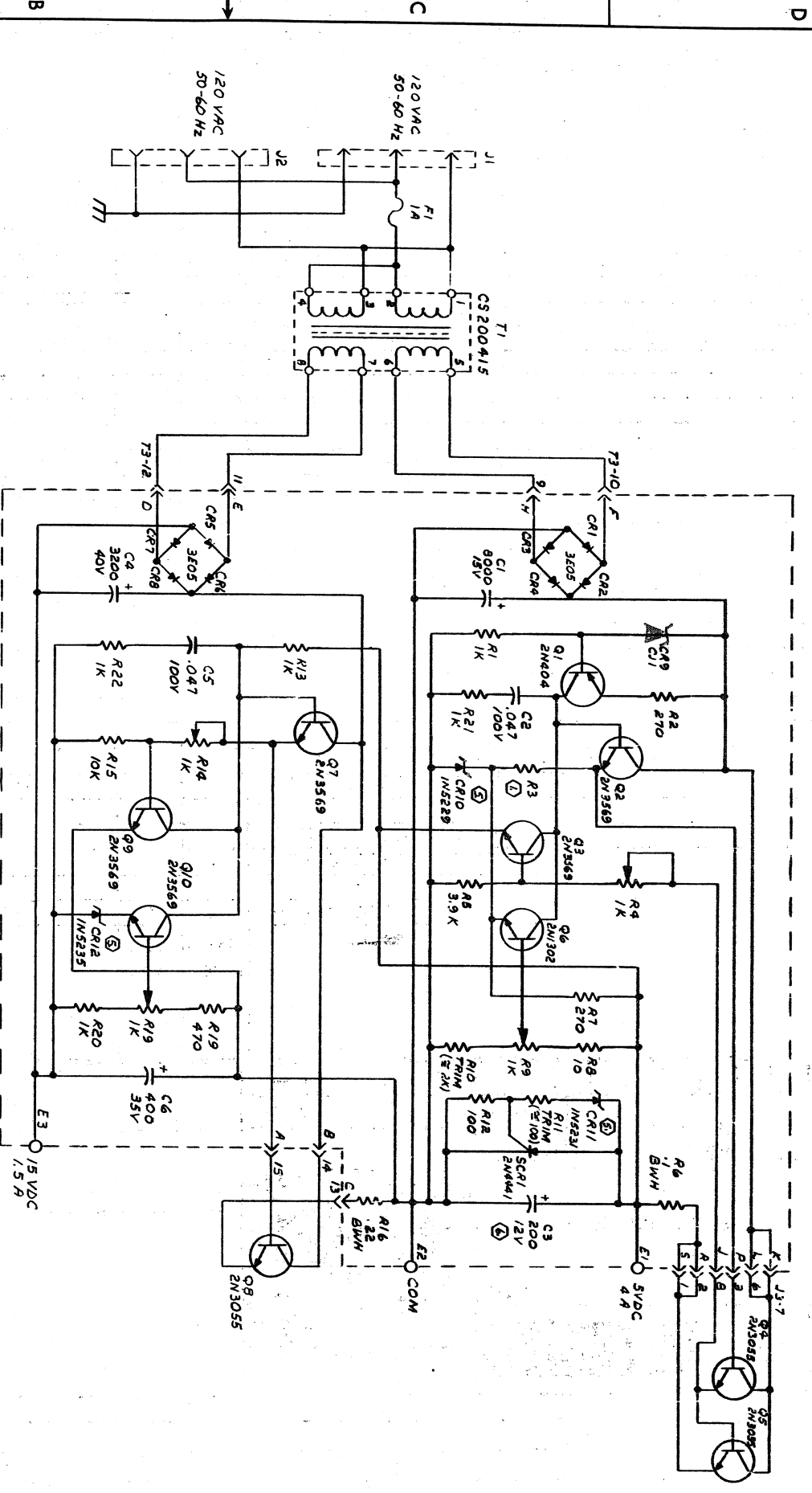


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- NOTES:
1. R3 IS A TRIM VALUE RESISTOR WITH AN APPROX VALUE OF "OPEN"
 2. ALL RESISTANCE VALUES ARE EXPRESSED IN OHMS.
 3. ALL RESISTORS ARE FIXED COMPOSITION, 1/2 W, $\pm 10\%$
 4. ALL CAPACITOR VALUES ARE EXPRESSED IN MICROFARADS
 5. CR10 MAY BE MOTOROLA NO. SE13477-2 CR11 MAY BE MOTOROLA NO. SE13477-4 CR12 MAY BE MOTOROLA NO. SE13477-5
 6. CAPACITORS C3 MAY BE TANTALUM 47UF, 6.3V
 7. RESISTANCE VALUE FOR R10 & R11 MAY BE CHANGED DURING FINAL TEST.

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

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST					
UNLESS OTHERWISE SPECIFIED		DATE	DATE	TITLE	
DIMENSION IN INCHES		3/7/72	3/7/72	H-716P.S.	
TOLERANCES		ANGLES	DATE	digital EQUIPMENT CORPORATION	
DECIMALS		$\pm 0.30^\circ$	DATE	MASSACHUSETTS	
XXX + .006		DATE	DATE		
XX + .02		DATE	DATE		
X + .1		DATE	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE	DATE		
MATERIAL		DATE	DATE		
FINISH		DATE	DATE		
NEXT HIGHER ASSY.		DATE	DATE		
SCALE NONE		DATE	DATE		
SHEET 1 OF 1		DATE	DATE		
SIZE CODE		DATE	DATE		
DCS 3009282-0-0		DATE	DATE		
NUMBER		DATE	DATE		
REV. C		DATE	DATE		

DWG. NO. 3009282-0-0

2

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8

7

a

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12V.

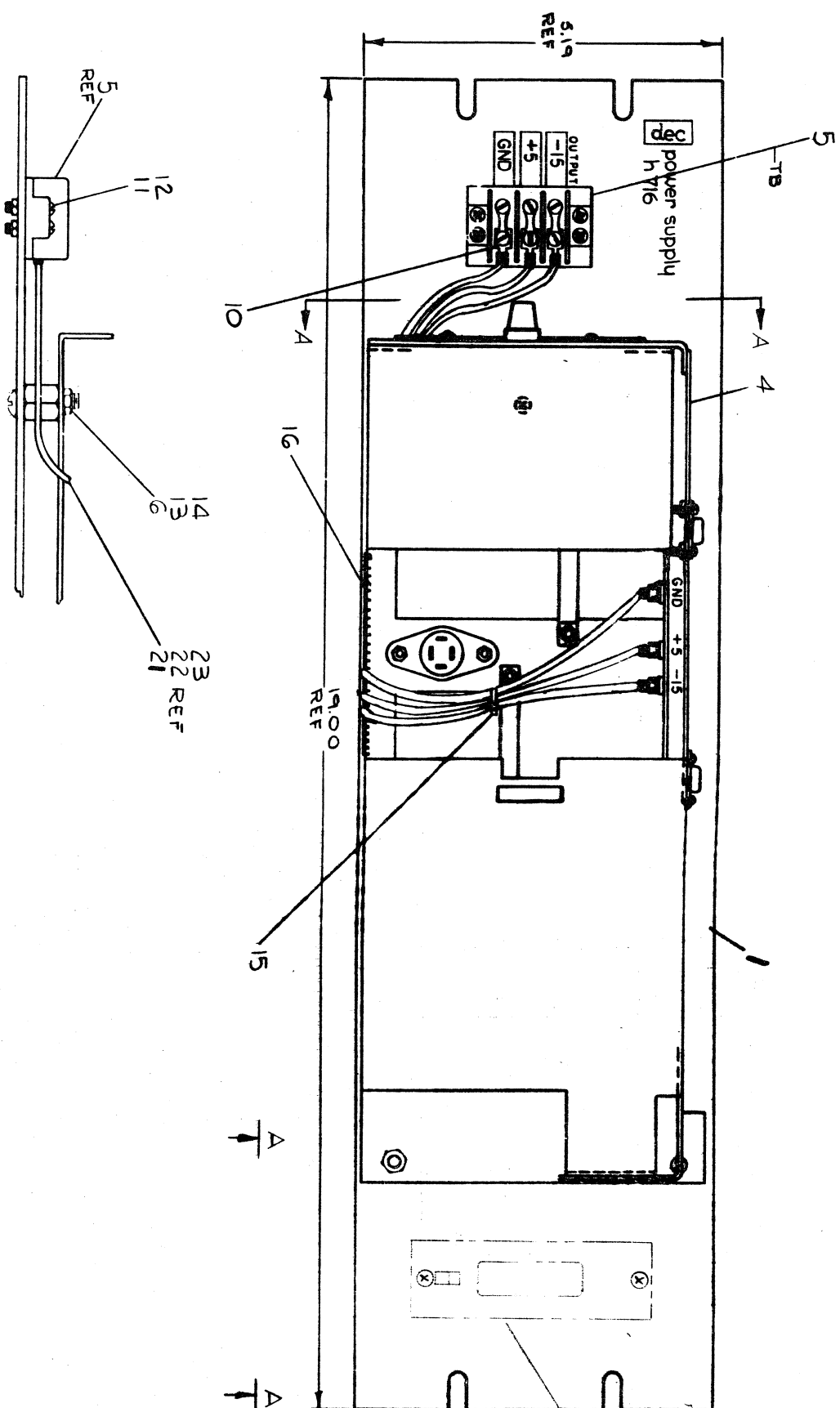
2 010 9147-0

1000

LEGEND	
NUMBER	VARIATION
H716-d	WALLLESS PS WITH GY RECEPTACLE
H716-A	H716 WITH 230V RECEPTACLE
H716-B	5" H716 GY (S) RECEPTACLE
H716-C	H716-B WITH OUTLET RELAY SWITCHED FROM +51 (115V)
H716-D	H716-B WITH 230V RECEPTACLE

NOTES:

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



SEE VIEW A-A
SECTION.

REVISIONS		
CHK	CHANGE NO.	REV.

UNLESS OTHERWISE SPECIFIED
DO NOT SCALE

SECTION IN REDUCED
TO SCALE

ASBLES
FALL SERVICE QUALITY
= 7

REPORT USING AND BREAK DOWN
SPECIFICATIONS

MATERIAL

PAGE 01

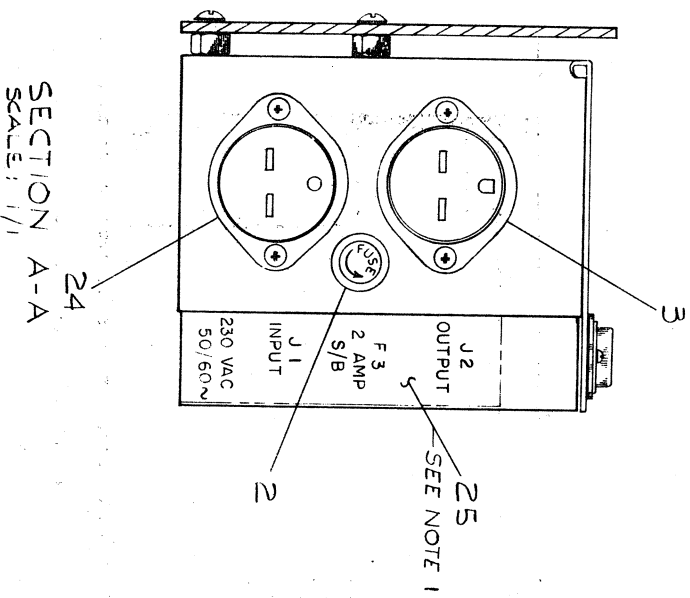
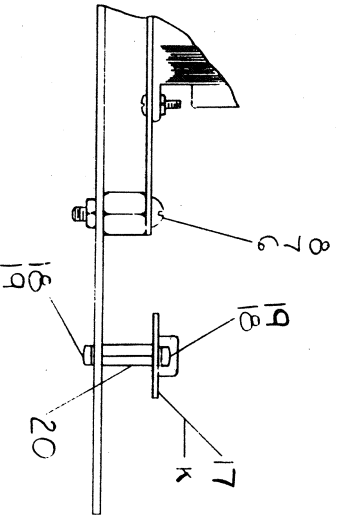
QTY.	DESCRIPTION	PART NO.	ITEM NO.
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	digital EQUIPMENT CORPORATION MANHATTAN, MASSACHUSETTS		
	TITLE POWER SUPPLY H716		
	SCALE 1/2" = 1"		
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SIZE	CODE	NUMBER
D	UA	H716-0-0

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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
21	18 RED	PS - + 5	TB - + 5	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	
X 12		DATE	DATE	H716	
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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 Eng R L Bero
Drawn QC QC R Cady
Purch R Hughes

TITLE: H 716
POWER SUPPLY

Unless other specified use:

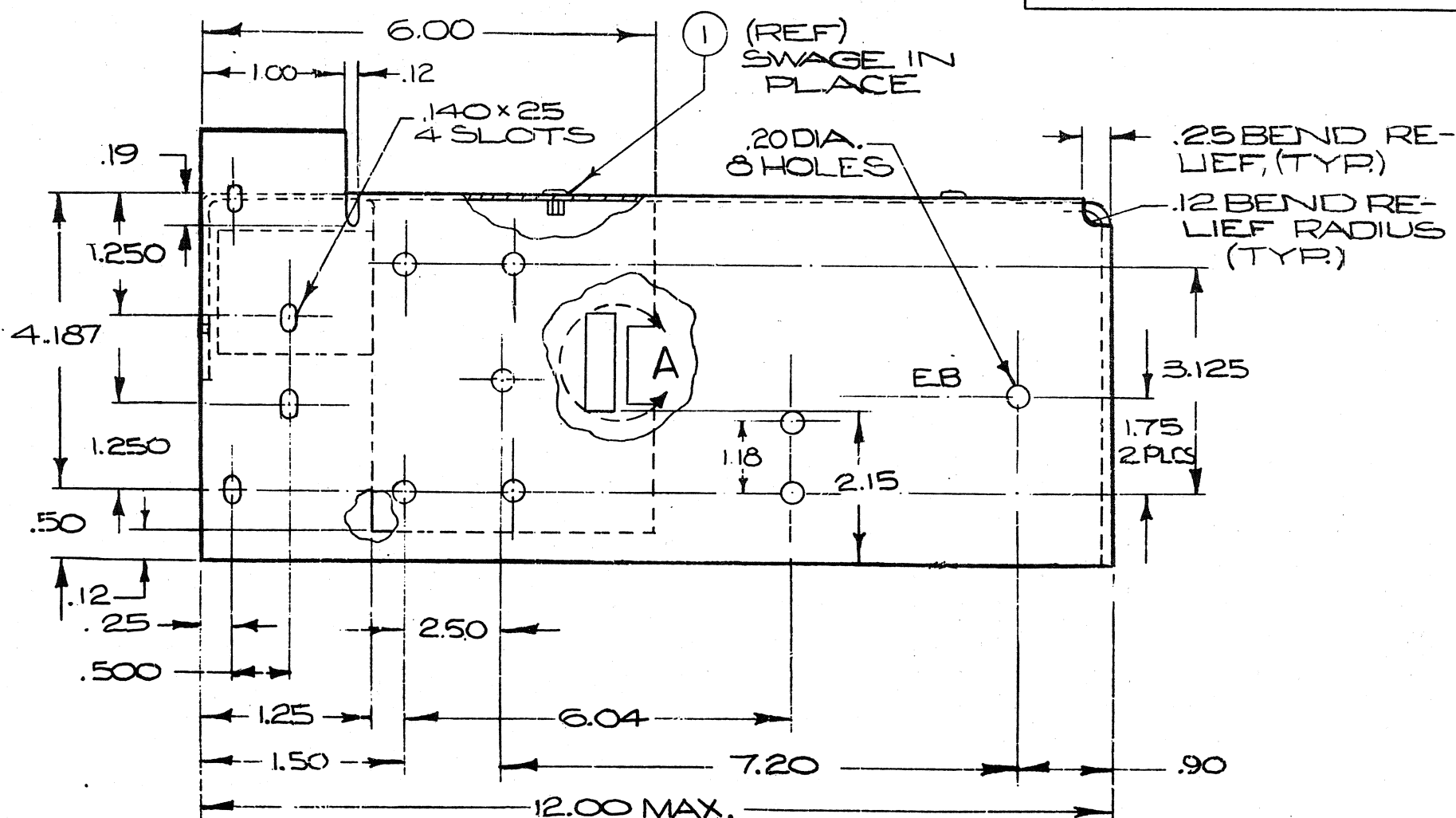
Fractions	Decimals	Angles
$\pm$	$\pm$	$\pm$

Sheet 1 of 7 Scale

Number 30-09282	Rev c
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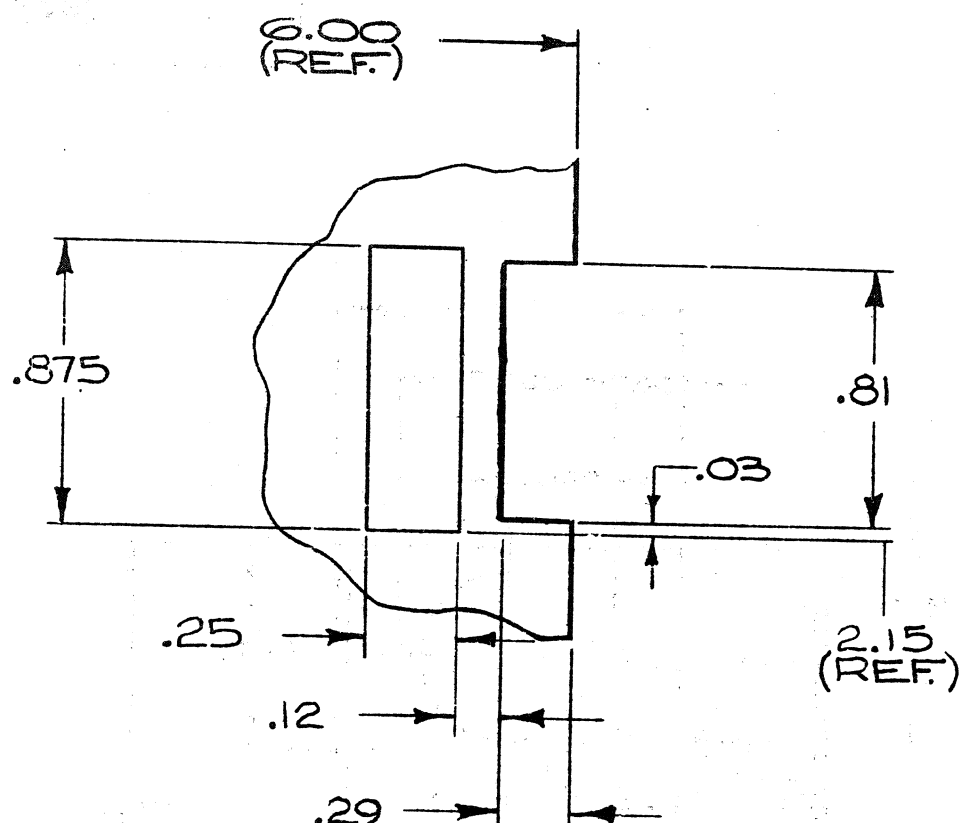
100-4 63

Date 1/8/69



Sheet 2 of 7	Scale -H
Number 30-09282	Rev c

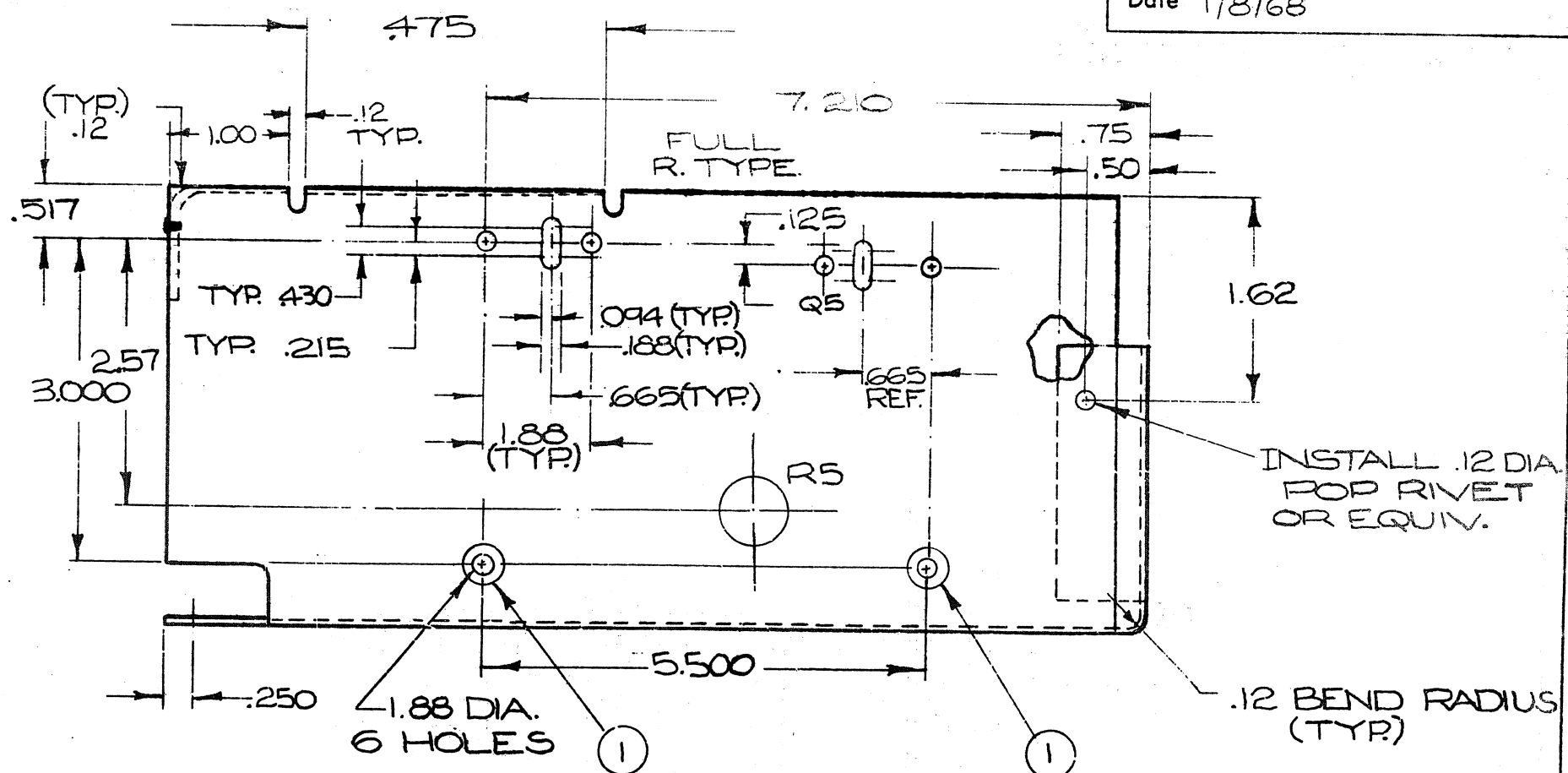
D.E.C. PART NO.
30-09282



DETAIL A

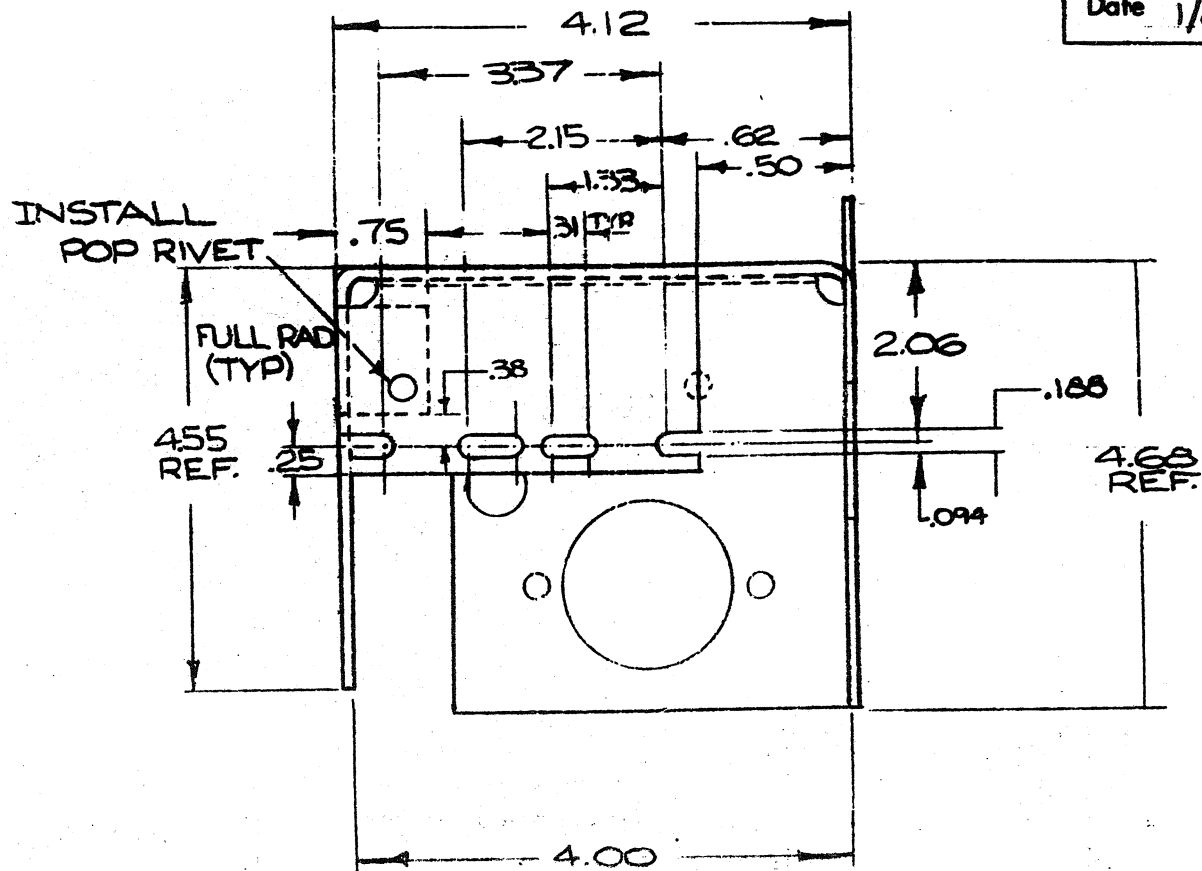
D E C. PART NO.
30-09282

Sheet 3 of 7	Scale <i>H</i>
Number 30-09282	Rev C



C. PART NO.
30-09282

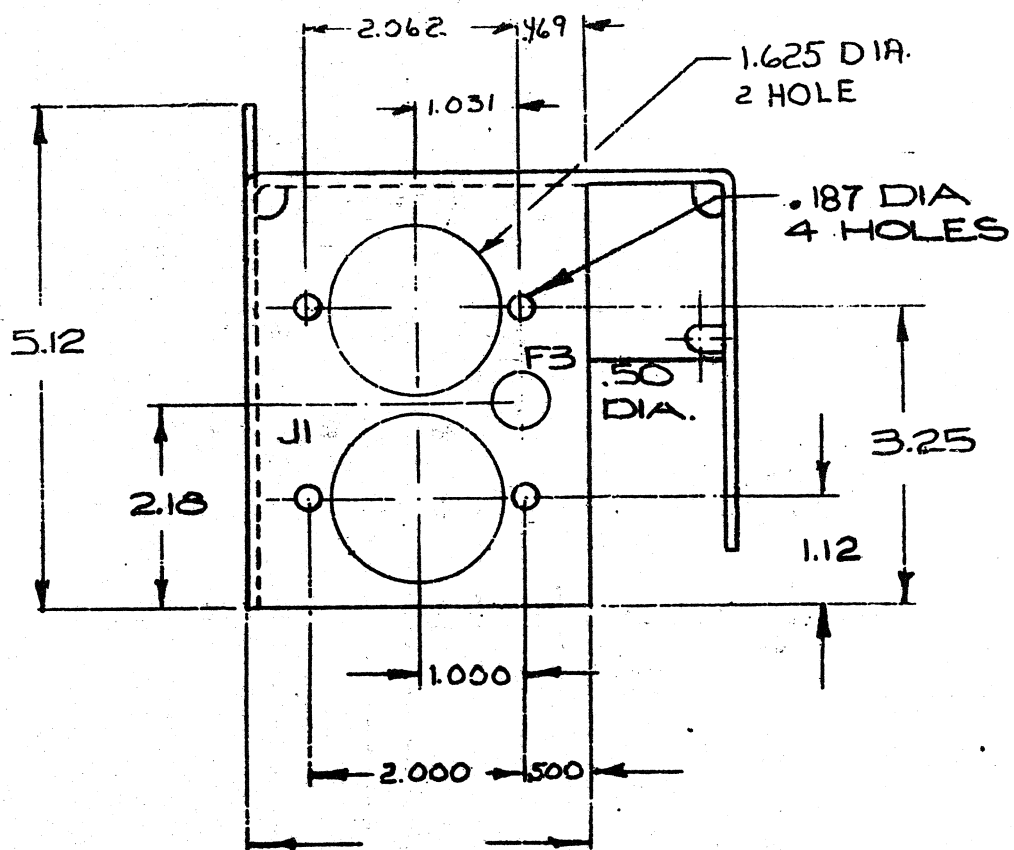
Sheet 4 of 7	Scale $\frac{1}{4}$
Number 30-09282	Rev C



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

Sheet 5 of 7
Number 30-09282

Scale H
Rev c



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

Sheet 6 of 7
Number 30-09282

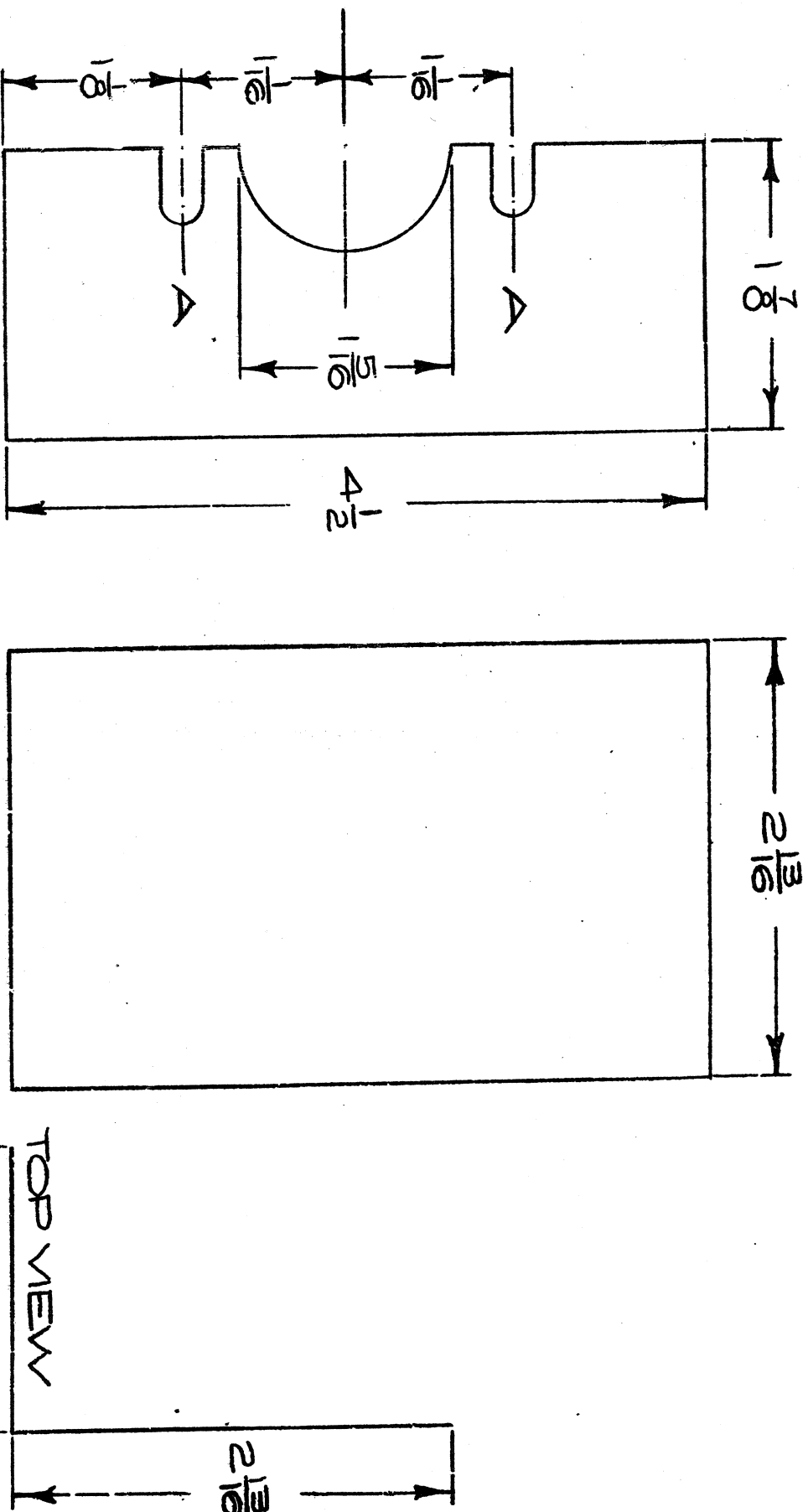
Scale H
Rev c

digital EQUIPMENT CORPORATION **PURCHASE SPECIFICATION**

Number 30-09282 Rev C

Date 2/6/69

AC PROTECTION BRACKET



FRONT VIEW
SIDE VIEW
A = $\frac{1}{4} \times \frac{1}{2}$ SLOT
MTL = $\frac{1}{16}$ ALUM.

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

Sheet 7 of 7	Scale FULL
Number	Rev
30-09282	C

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
--------------------	---------------------	---------------	----------------	------------------------	-----

ENGINEERING SPECIFICATION **REVISION** 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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