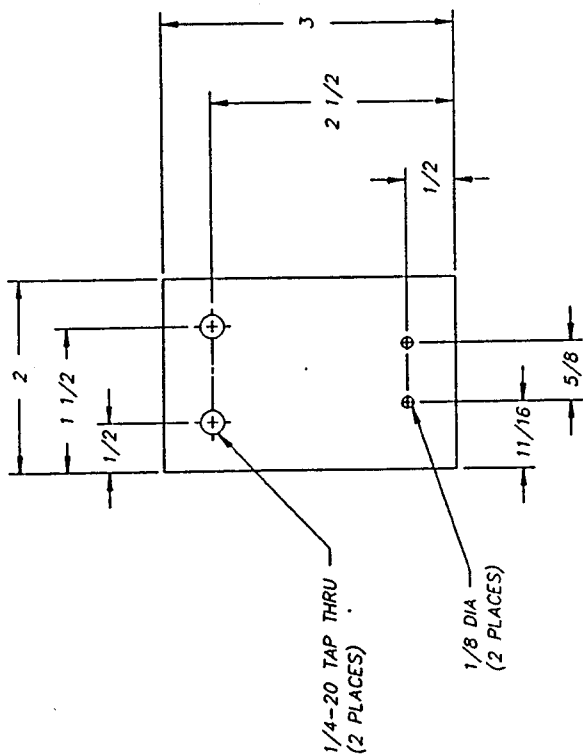
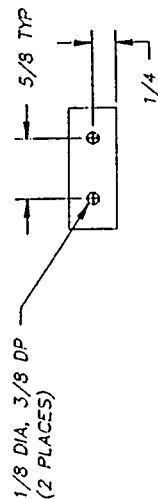
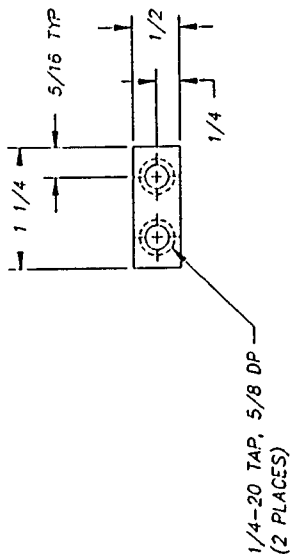


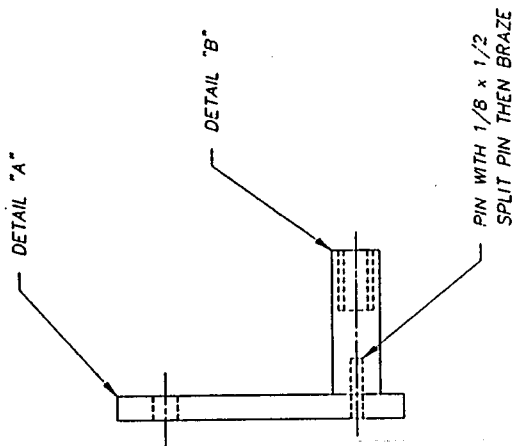
REV	DATE	REMARKS	BY



DETAIL A
MATL - 1/4 CDA 110 COPPER



DETAIL B
MATL - 1/2 CDA 110 COPPER



ASSEMBLY
FINISH - SILVER PLATE

Westinghouse
RMS Digitrip
Conversion Kit
on General
Electric
AK-1-15

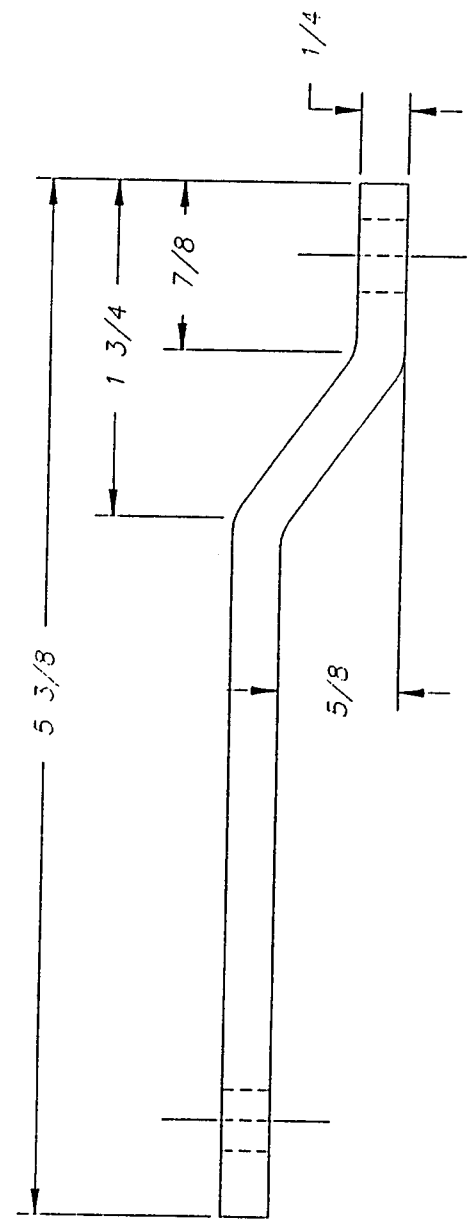
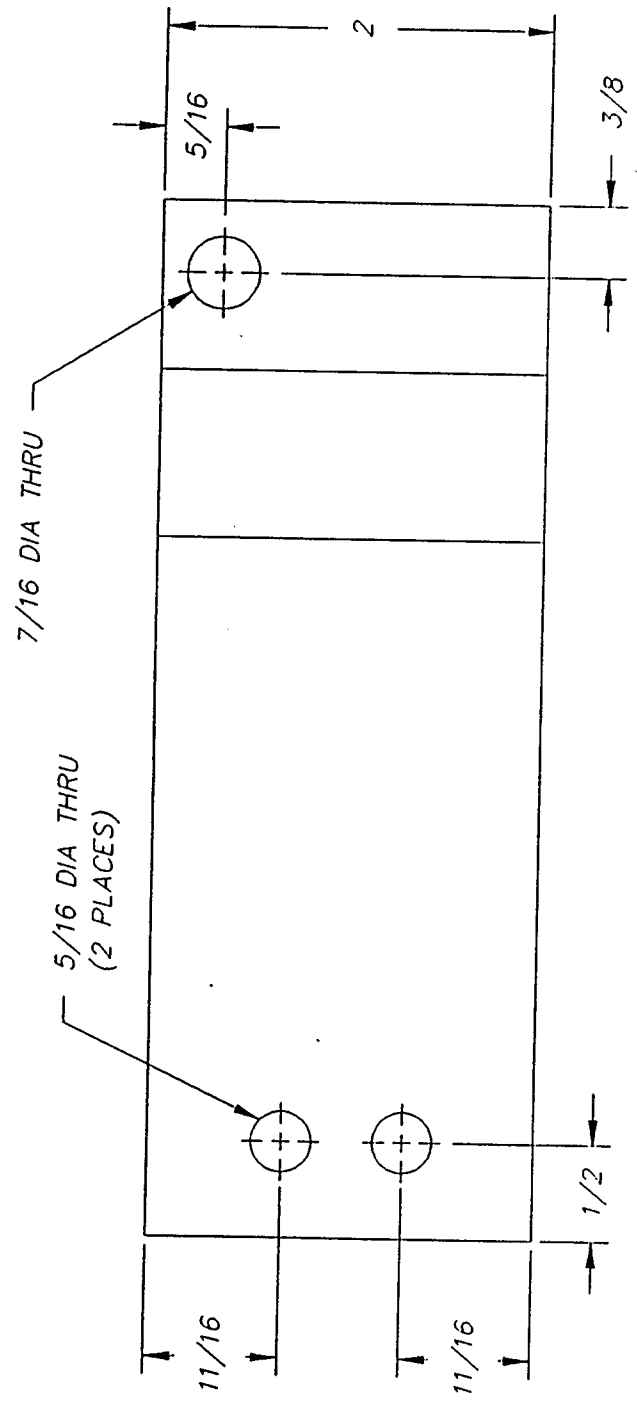
UNLESS OTHERWISE SPECIFIED			
STANDARD TOLERANCES	FRAC TION	DECIMAL	ANGLE
FRACTIONS	± 1/32	± .030"	± .015°
XX	± .030"	± .010"	± .015°
XXX	± .010"	± .005"	± .015°
ANGLE	± 2°	± 2°	± 2°
CONCENTRICITY	± .015"	± .015"	± .015"

BOTTOM BUS			
DATE	7/18/91	DESIGNED BY	DATE
USED ON	AK-1-25	DESIGNED BY	DATE
SCALE	1/2" = 1"	DRAWING NO.	1344
POWER DISTRIBUTION SERVICES, INC.	8870 CRENSHAW PARK DR., WEST CHESTER, OH 45381		



Power Distribution Services, Inc.
8870 CRENSHAW PARK DR., WEST CHESTER, OH 45381
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The information, drawings, etc. shown hereon are confidential and are not to be divulged or submitted

REV	DATE	REMARKS	BY

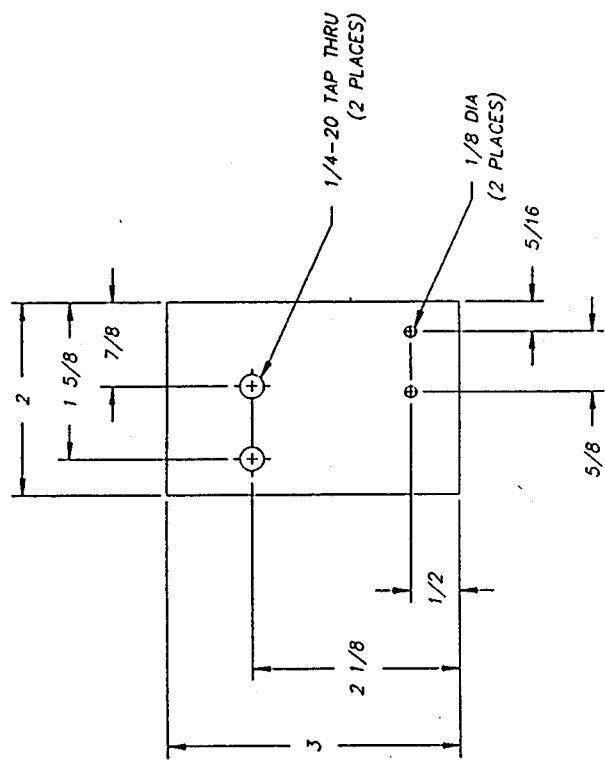


MAT'L - CD110
FINISH - SILVER PLATE

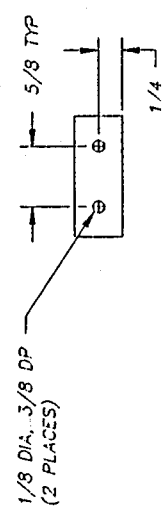
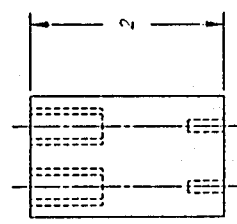
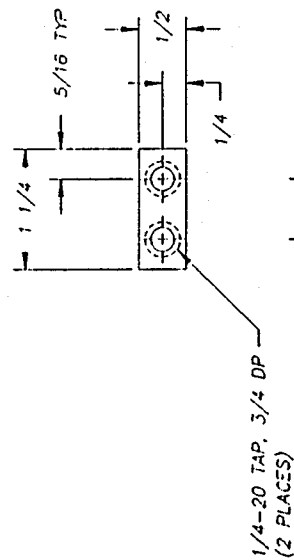
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS ARE TO BE USED		TOP BUS	
STANDARD TOLERANCES	DATE	7/11/11	SKETCHED BY
FRACTIONS ± 1/32	DESIGNED BY	AK-1-25	
XX ± .005"	SCALE FACTOR	1=1	DRAWING NO.
XXX ± .010"			1343
ANGLE ± 2°-0'			
CONCENTRICITY ± .015 IR			

Power Distribution Services, Inc.
8870 CRESCENT PARK DR., WEST CHESTER, OH 45080

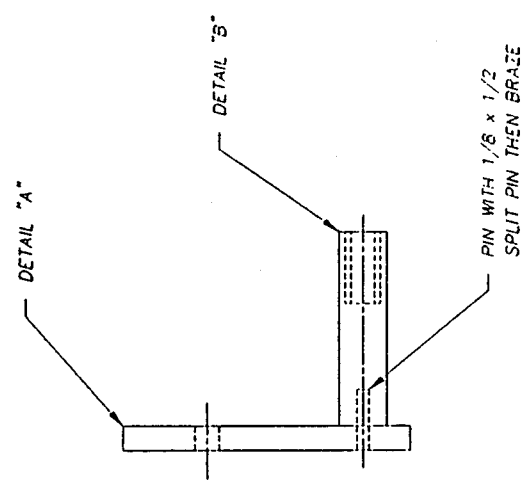
REV	DATE	REMARKS	BY



DETAIL A
MAT'L - 1/4 CDA 110 COPPER



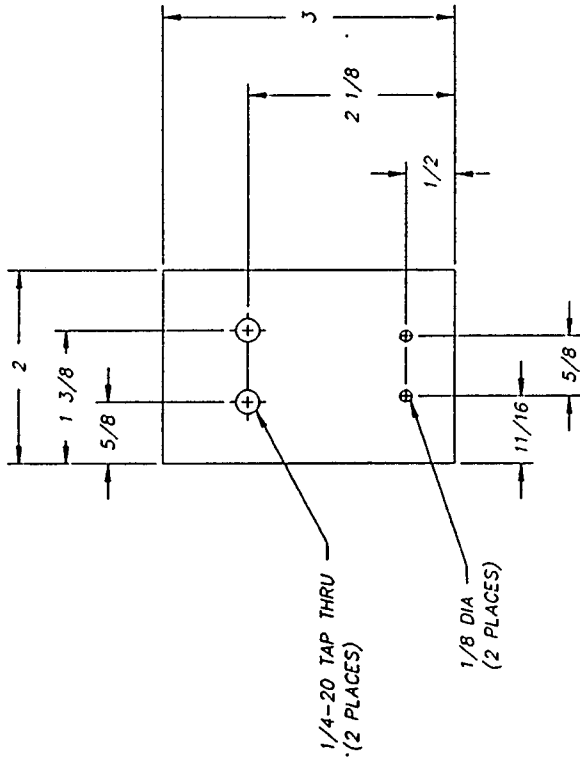
DETAIL B
MAT'L - CDA 110 COPPER



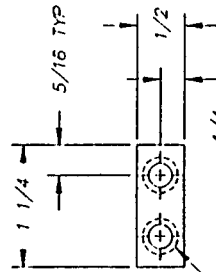
ASSEMBLY
FINISH - SILVER PLATE

BOTTOM BUS 'C'	
DESIGNED BY	7/9/91
WEN	AK-1-15
USED ON	1341
SCALE FACTOR	1/2=1
DRAWING NO.	1341
Power Distribution Services, Inc. 8670 CRENSHAW PARK DR. WEST GASTON, GA 30450	

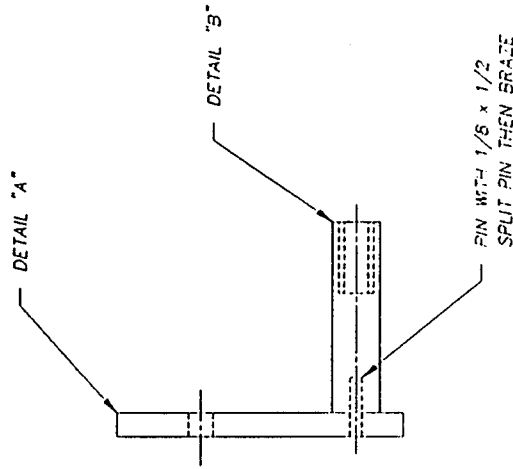
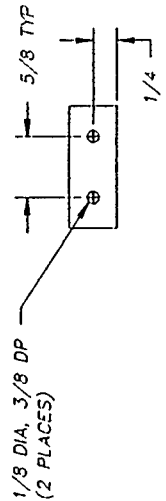
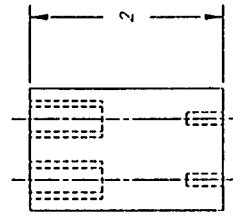
REV	DATE	REMARKS



DETAIL A
MAT'L - 1/4 CDA 110 COPPER



DETAIL B
MAT'L - CDA 110 COPPER



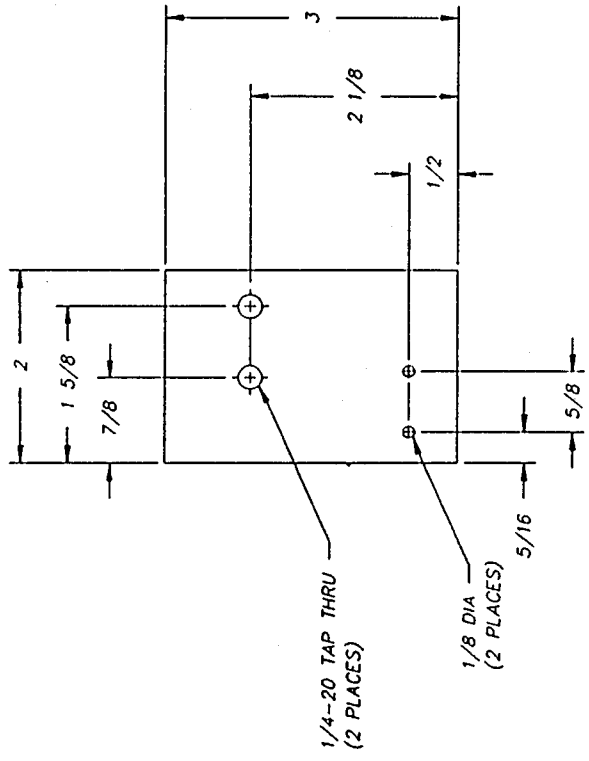
ASSEMBLY
FINISH - SILVER PLATE

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES AND DECIMALS THEREOF.		BOTTOM BUS 'B'	
STANDARD TOLERANCES	FRAC	DEC	INCHES
FRACTIONS	± 1/32	AK-1-15	7/8 IN
XX	± .030"	1/2 ± 1	1340
XXX	± .010"		
ANGLE	± 2°-0'		
CONCENTRICITY	± .015 TIR		

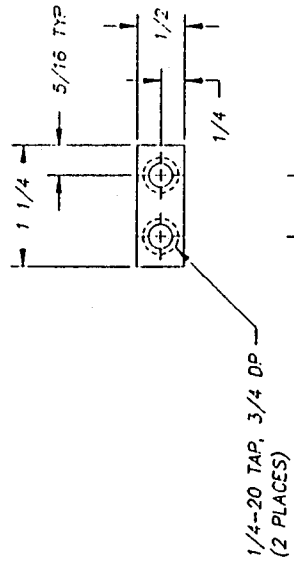


Power Distribution Services, Inc.
1870 ORIENT PARK DR., WEST OXFORD, OH 45086
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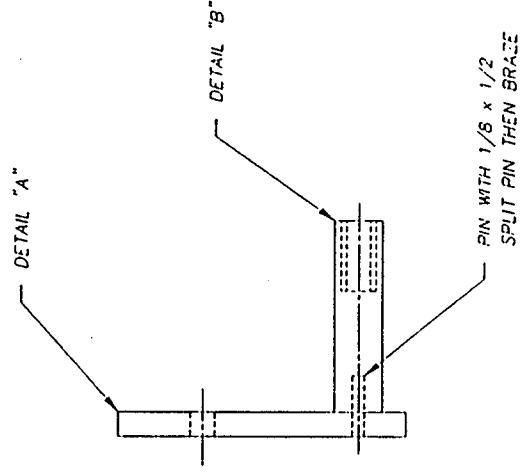
REV	DATE	REMARKS



DETAIL A
MAT'L - 1/4 CDA 110 COPPER



DETAIL B
MAT'L - CDA 110 COPPER

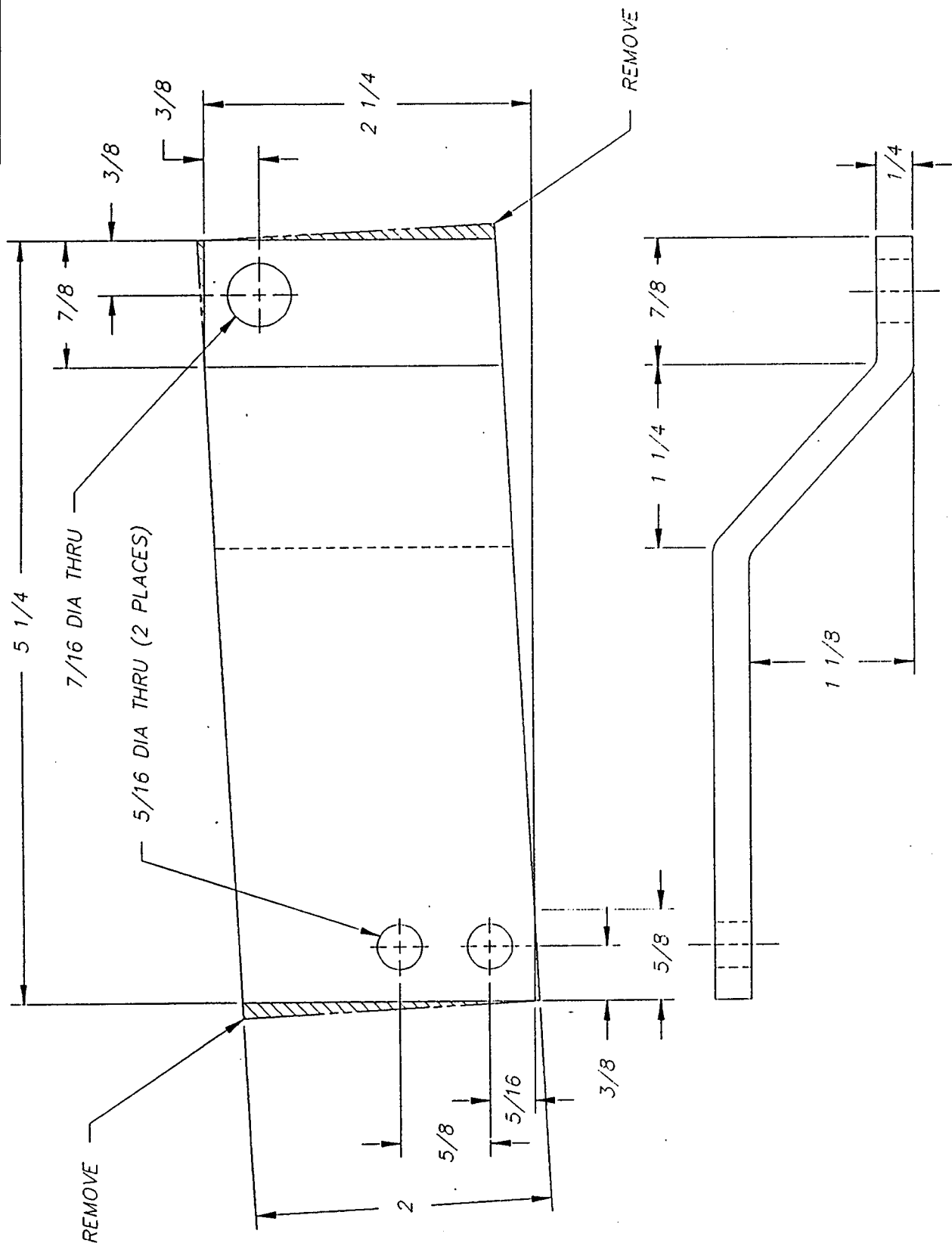


ASSEMBLY
FINISH - SILVER PLATE

STANDARD TOLERANCES		BOTTOM BUS 'A'	
FRACTIONS	± 1/32	DATE	7/1/91
.XX	± .000"	DESIGN NO.	AK-1-15
.XXX	± .010"	SCALE FACTOR	1/2=1
ANGLE	± 2°	DESIGN NO.	1330

Power Distribution Services, Inc.
8870 CRENSHAW PARK DR., WEST OAKLAND, CA 94621

REV	DATE	BY	REMARKS

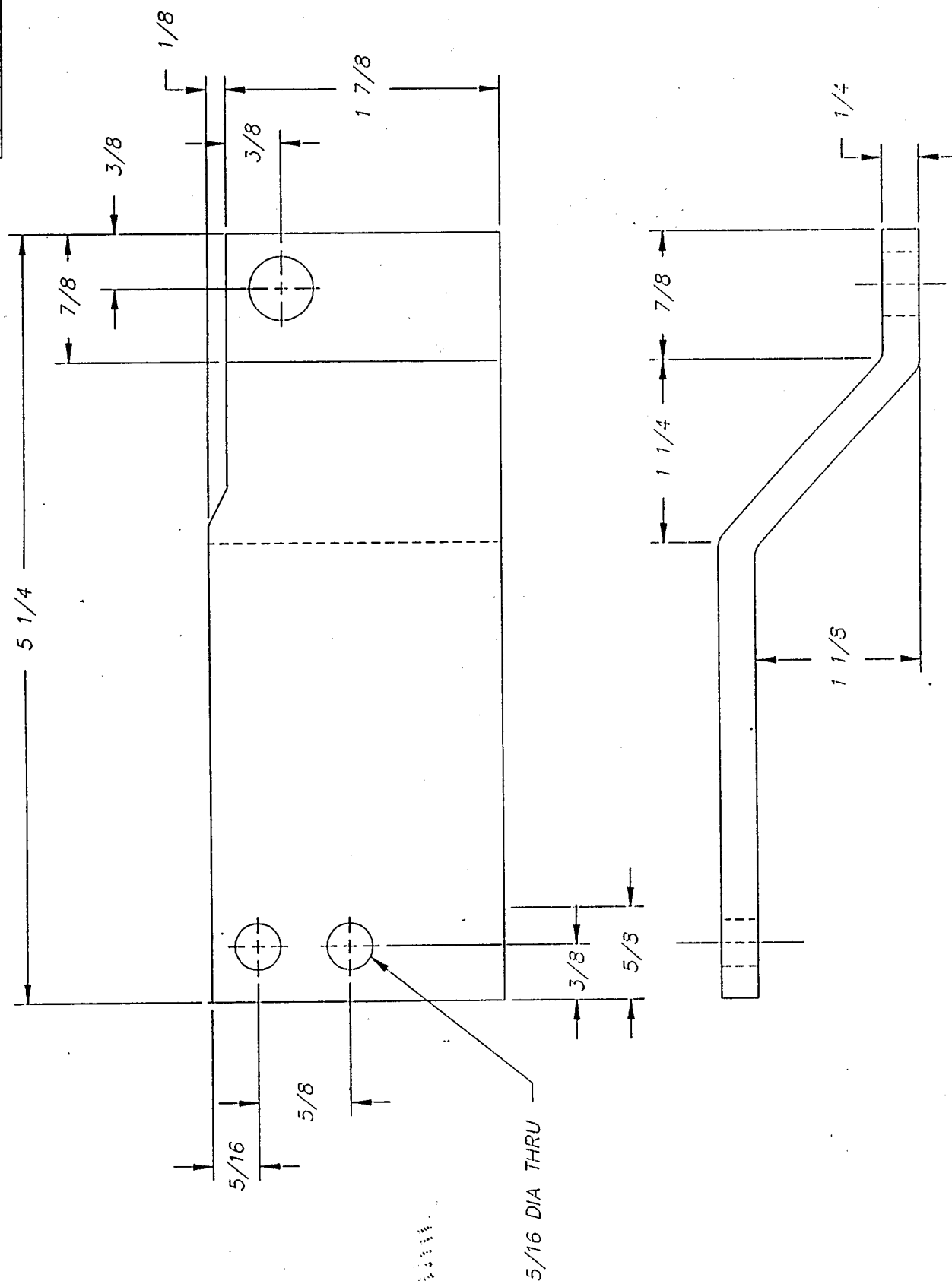


UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES FRACTIONS ARE TO BE SHOWN AS DECIMALS		TOP BUS 'C	
DATE	BY	DATE	BY
7/15/91	AK-1-15	7/15/91	AK-1-15
STANDARD TOLERANCES		SCALE FACTOR	1=1
FRACTIONS ± 1/32		DRAWING NO.	1339
.XX ± .005			
.XXX ± .005			
ANGLE ± 2°-0'			

Power Distribution Services, Inc.
8370 CRESSKENT PARK DR. WEST OXFORD, OH 45086

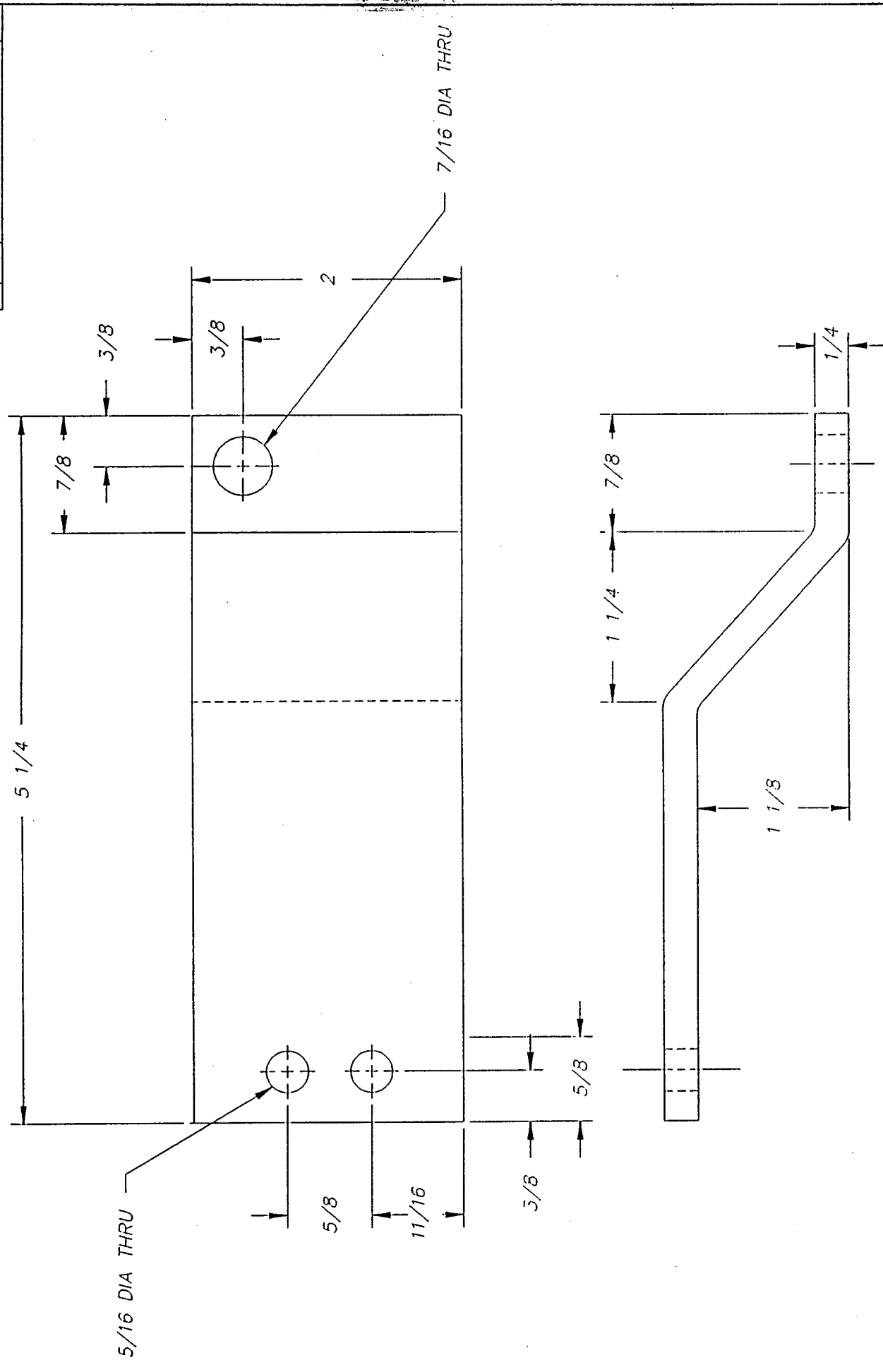
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REV	DATE	REMARKS	BY



POWER DISTRIBUTION SERVICES, INC. 8870 CRENSHAW PARK DR. WEST CHESTER, OH 45389	
TOP BUS 'A'	DATE: 7/19/91 DESIGNER: AK-1-15 SCALE: 1=1 DRAWING NO.: 1337
STANDARD TOLERANCES FRACTIONS: $\pm 1/32$ ANGLES: ± 0.007 DIMENSIONS: ± 0.010 ANGLES: $\pm 2'-0"$	THIS DRAWING IS THE PROPERTY OF PDS, INC. AND IS TO BE RETURNED IMMEDIATELY UPON REQUEST.

REV	DATE	REMARKS	BY



UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 DECIMALS TO BE ROUNDED UP

STANDARD TOLERANCES	
FRACTIONS	$\pm 1/32$
.XX	$\pm .030$
.XXX	$\pm .010$
ANGLE	$\pm 2^{\circ}$
CONCENTRICITY	$\pm .015$ TR

TOP BUS 'B'

DATE: 7/13/91
 DESIGNED BY: AK-1-15
 SCALE: 1"=1"
 DRAWING NO.: 1338

Power Distribution Services, Inc.
 800 PRESIDENT PARK DR. WEST CHESTER, OH 45386

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AK 1-15

(Lond)
Furnished) Bottom Buss, & Stab from BKR

3 - $7\frac{1}{4}" \times 2 \times \frac{1}{4}"$ - Buss Bars

3 - Studs

3 - $\frac{3}{8}" \times 16 \times 1\frac{1}{2}"$ Bolts & Lock + Flat Washers

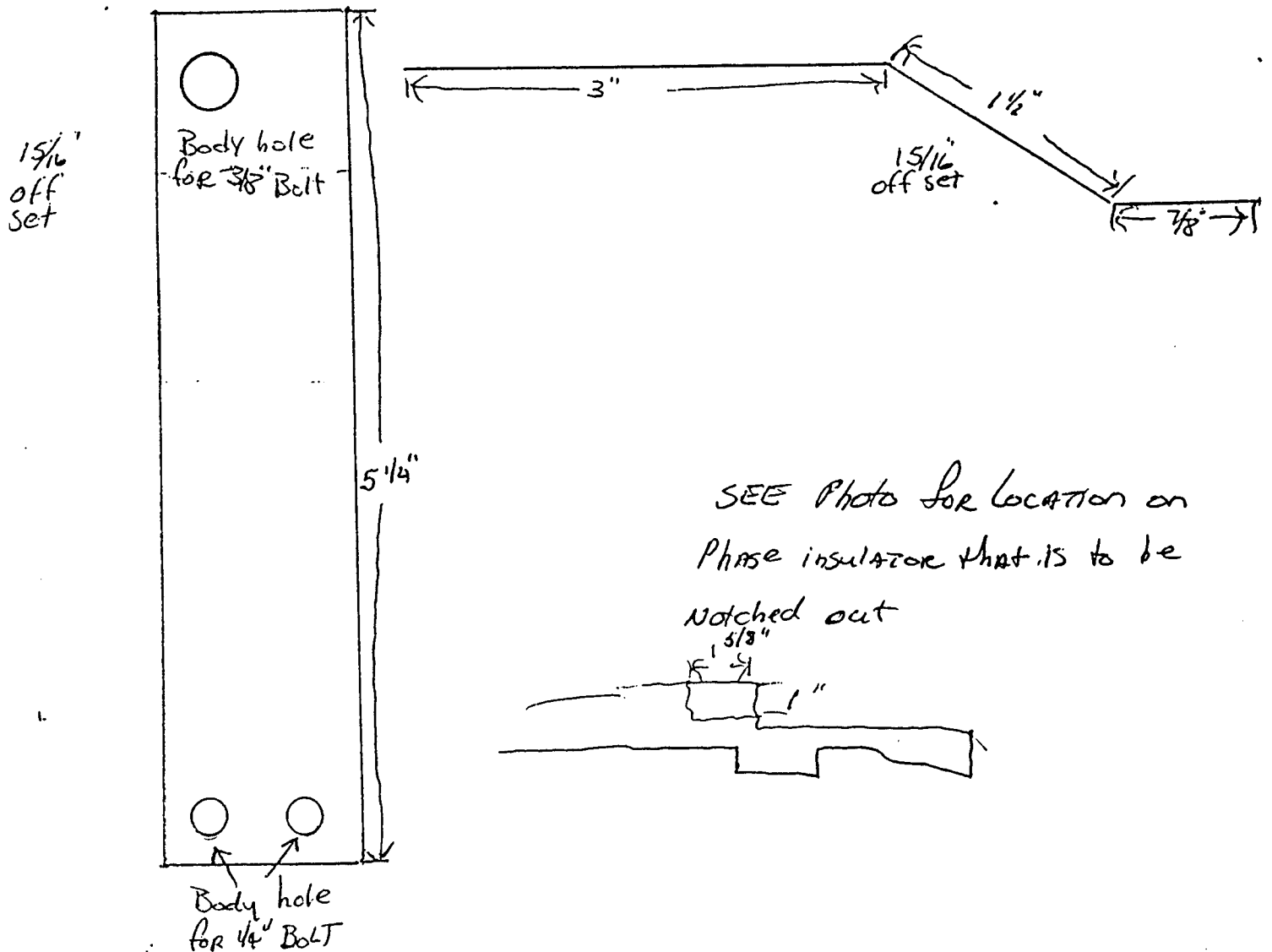
6 - $\frac{1}{4}" \times 20 \times \frac{3}{4}"$ Allen Bolts & Lock Washers

3 - $\frac{3}{8}" \times 16 \times \frac{3}{4}"$ Allen Bolts & Lock Washers

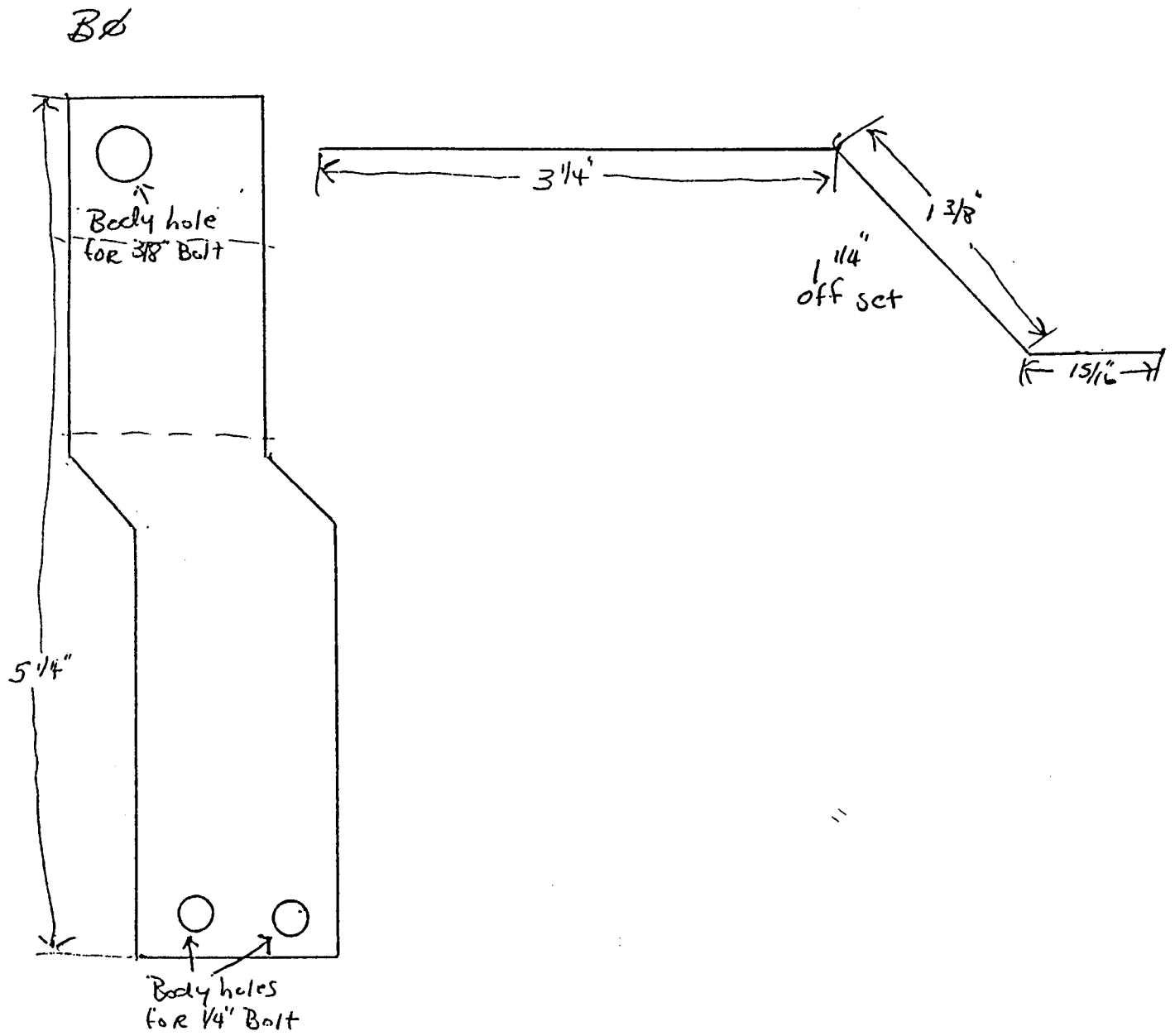
6 - $\frac{1}{4}" \times 20 \times 1\frac{1}{2}"$ Bolts & Lock Washers

6 - $\frac{1}{4}" \times 20$ Lock Nuts

AO

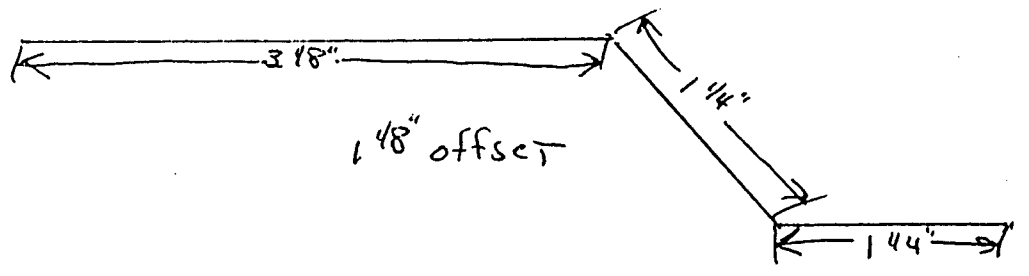
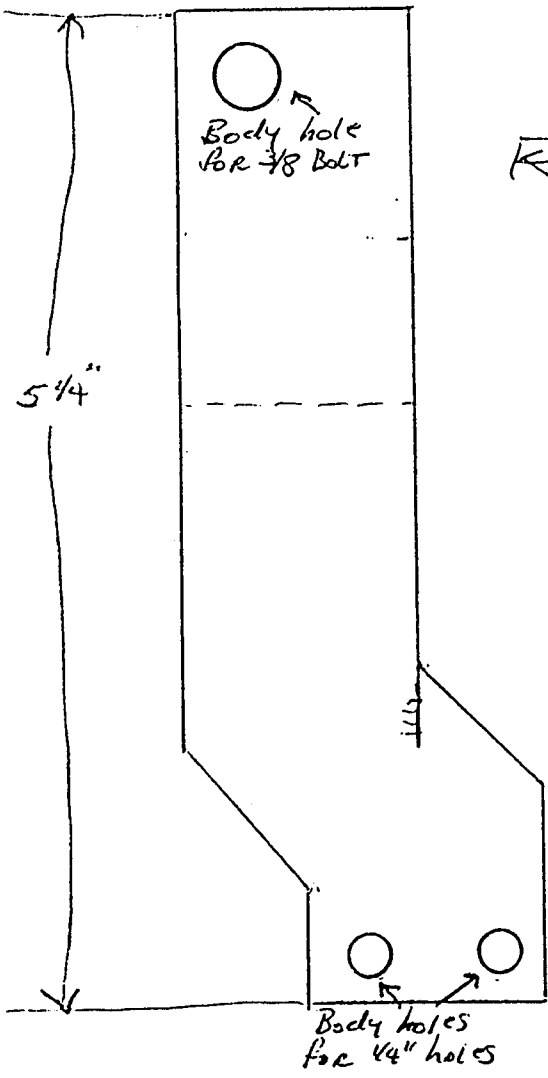


2



3

C Ø



④

Buss Pads To be bolted to
existing Bottom buss

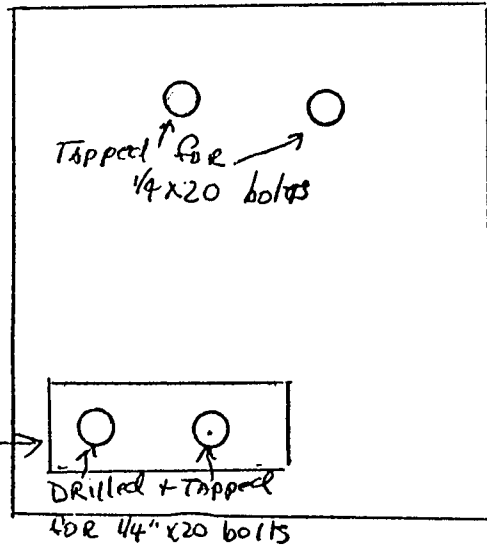
3 - $2\frac{1}{2}" \times 2\frac{5}{8}" \times \frac{1}{4}"$

Buss Pads

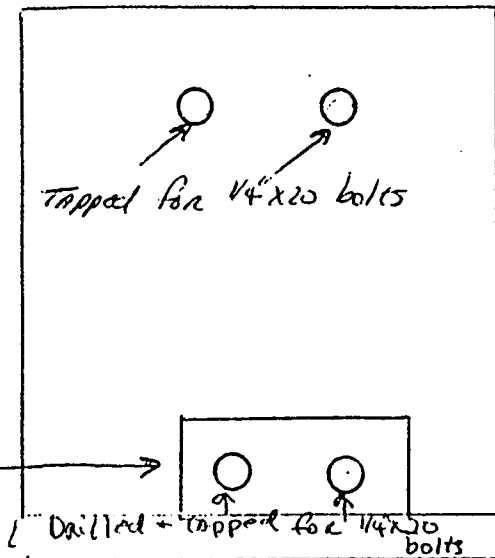
3 - $2' \times 1\frac{1}{4}" \times \frac{1}{2}"$

Buss Studs

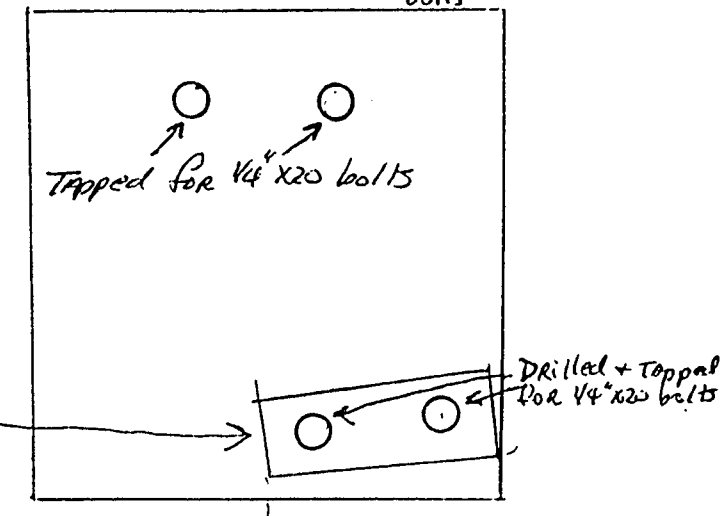
A Ø



B Ø

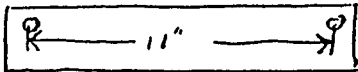


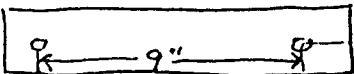
C Ø



(5)

C.T. ~~Base~~ Supports made from $\frac{1}{8}"$ GPO3

Top Piece $12" \times 2" \times \frac{1}{8}"$  Counter bore holes drilled for $\frac{3}{8}"$ bolt

Bottom Piece $12" \times 2" \times \frac{1}{8}"$  Counter bore holes drilled for $\frac{1}{4}"$ bolt

2 - $\frac{3}{8}" \times 16 \times 2"$ Counter sink bolts & lock, flat washers & $\frac{3}{8}" \times 16$ nuts

2 - $\frac{1}{4}" \times 20 \times 1\frac{1}{2}"$ Counter sink Bolts

CT's should be Connected before placed in BKR. As there is only about 1" from bottom of BKR to Term. on CT's

Actuator Placement

Remove Linkage (not needed)

drill out mounting bolt (left hole facing Front of Actuator) to allow $\frac{1}{4}"$ bolt. use 1 bolt $\frac{1}{4}" \times 20 \times 2"$ Slotted head and 1 - $\frac{1}{4}" \times 20"$ Square nut mount on bottom RT side of Mech. using existing Slot used if BKR. was an E.O. . have Nylon Screw furnished with actuator raised up $\frac{3}{8}"$ (approx.) Use old Trip paddle from Mech. Trips and cut approx $\frac{5}{8}"$ off paddle. ~~Cable~~ Leads from Actuator + CT's will be Shrink Taped and Run up ^{trip unit} back of BKR. on RT. side to ~~Controller~~ + Aux. Ct Module.

Mounting of Aux. Ct. Module

Remove Top Cover of BKR and mount ~~module~~ module up-side down on bottom side of Cover. Center unit on Cover and mount ~~front~~ with front of module flush with front edge of BKR. Top Cover. mount by drilling 4 Counter bore holes for $\frac{1}{4}"$ bolt use lock nuts.

⑥

Covers for Aux. Module use $\frac{1}{8}$ " GPO3 holes to mount covers
are already drilled + tapped
for 10-32 on module
back Cover $10\frac{1}{4}" \times 2\frac{1}{2}" \times \frac{1}{8}"$ $\leftarrow 3\frac{1}{2}" \rightarrow$

drill holes as shown for ~~2~~ 10-32 screws $\frac{3}{8}"$ 2 flats & 2 lock washers

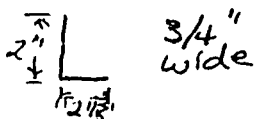
Line up covers on module to align with GPO3 cover on back of Trip Unit

Bottom Cover $10\frac{1}{4}" \times 2\frac{1}{2}" \times \frac{1}{8}"$ GPO3 $\leftarrow 7\frac{1}{16}" \rightarrow$

USE 2 10-32 $\times \frac{3}{8}"$ screws 2-locks & 2 flat washers

Trip Unit

MAKE 2 "L" BRACKETS
FROM $\frac{1}{16}"$ STEEL



in 2" side drill hole
to pass $\frac{1}{4}"$ BOLT. 1" down
from top mount on arc

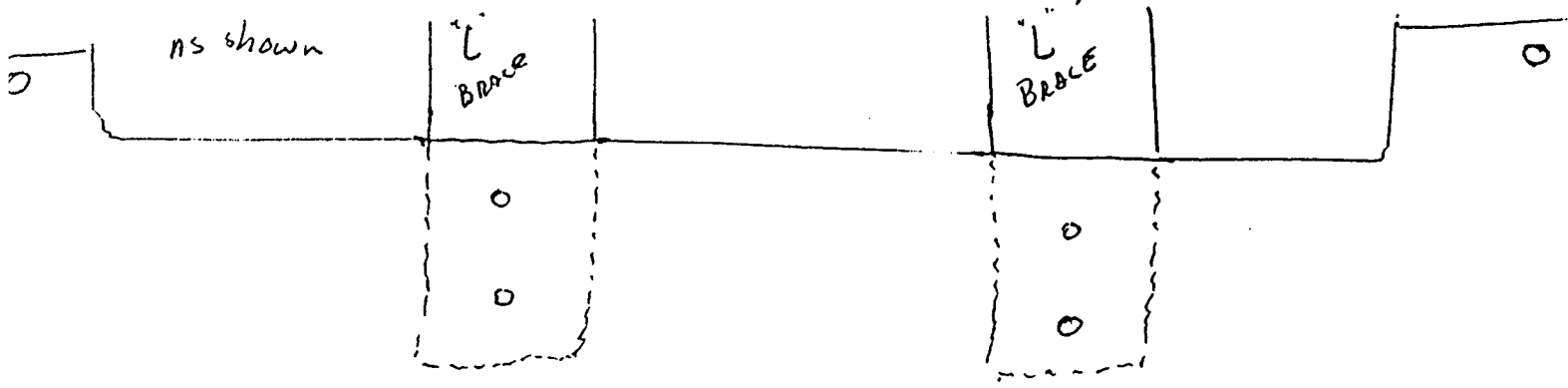
discard 6" Arc Chute Support bolts
and Replace with $6\frac{1}{2}"$ bolts.

Chute Support Bracket by using
bolts from Arc Chute Bracket

ON Bottom of "L" Bracket drill 2 holes Starting in $\frac{3}{8}"$ from with
 $\frac{5}{8}"$ Apart Center to Center

USE Trip Unit Bracket and Modify by Notching out back of Plate

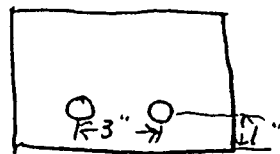
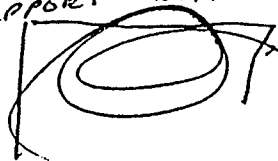
as shown



7

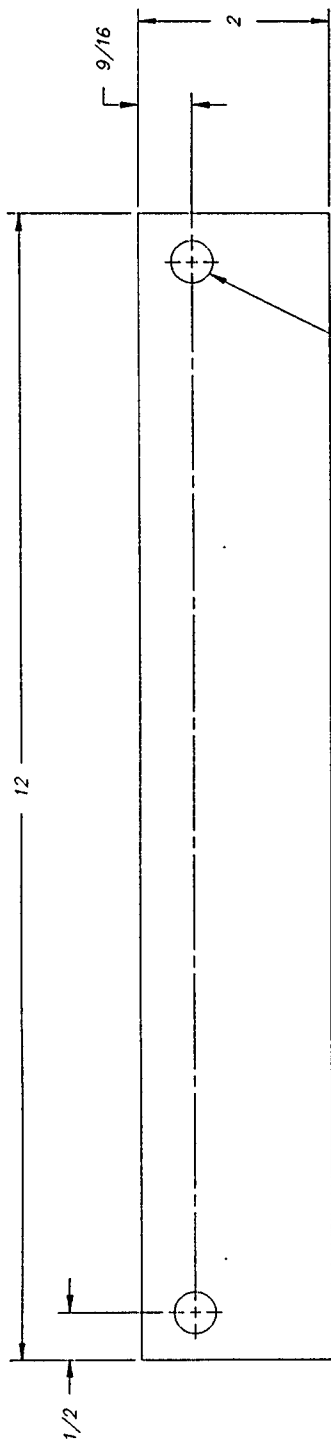
Drill & Tap Mounting Bracket to match "L" Braces for 10-32 Screws
Mount "L" Braces on Mounting Bracket using 4-10-32x $\frac{3}{8}$ " Screws and
ground off threads flush that stick through Bracket so Trip Unit will
mount flush. Use 4" 10-32 Screws to Mount Trip Unit to Bracket
Screws provided with RMS Kit. Use 10-32 nuts, Lock & Nutwashers
to Secure

Back Cover for Trip Unit is made by using GPO3 provided
with RMS Kit drill 2- $\frac{1}{2}$ " holes to allow bolt head of
Arc chute Support Bolts to Pass.



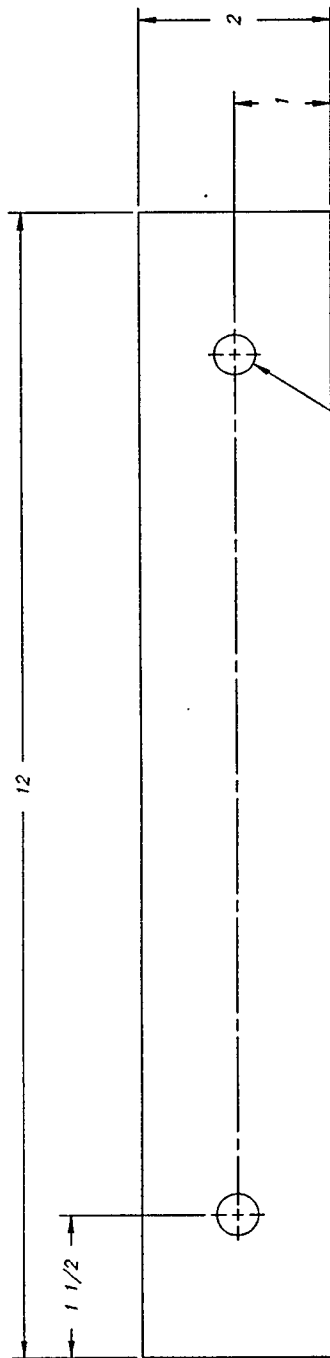
Place Cover over bolt heads after Arc chute ~~are~~ Support and
Trip Unit Support Bracket are in place. Back of Trip Unit fits
Snug against these bolts and will hold GPO3 in place

REV	DATE	REMARKS	BY



7/16 DIA THRU
C'SINK FOR 3/8 BOLT

MAT'L - 1/8 x 2 x 12 GPO3



5/16 DRILL THRU
C'SINK FOR 1/4 BOLT

MAT'L - 1/8 x 2 x 12 GPO3

SUPPORTS FOR CT'S

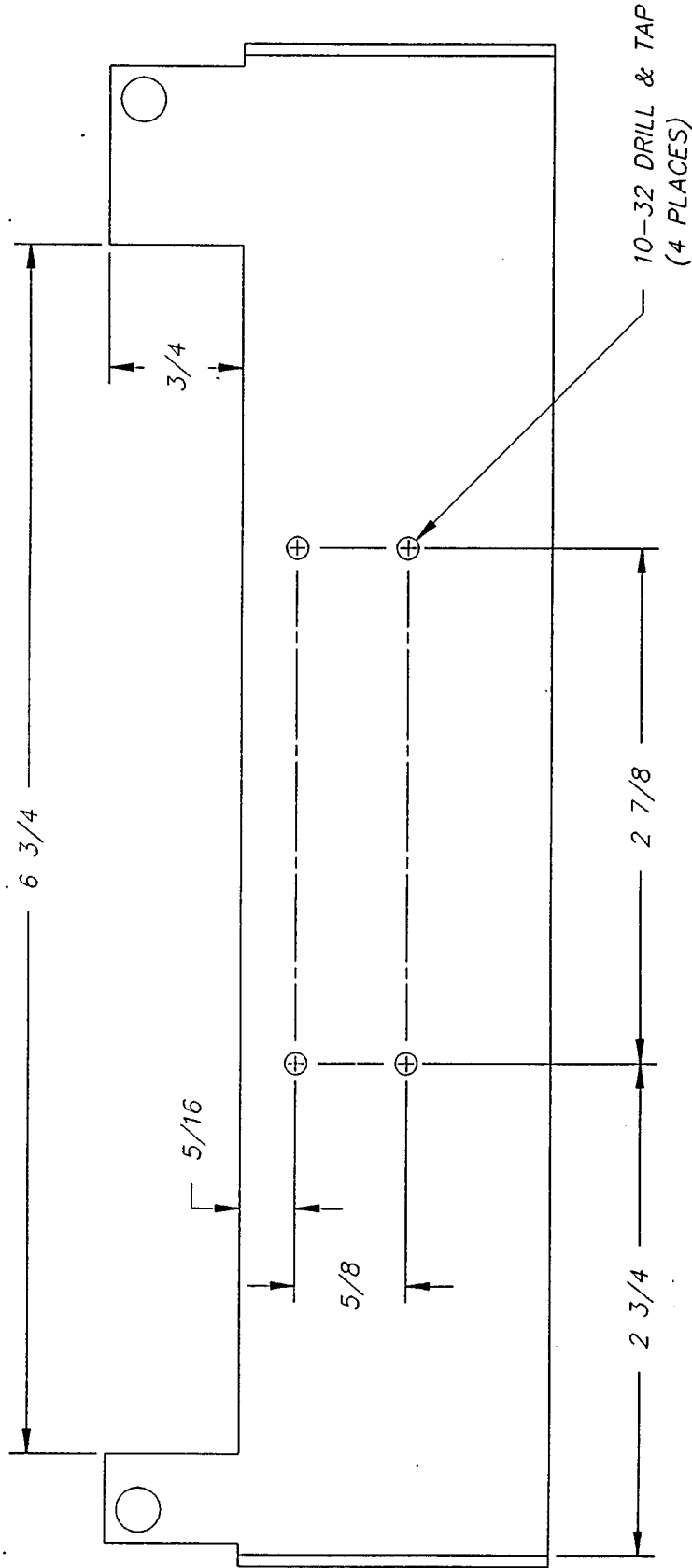
UNLESS OTHERWISE SPECIFIED		DRAWN BY: DATE		CHECKED BY: DATE	
ALL DIMENSIONS ARE IN INCHES		WCH		AK-1-15	
STANDARD TOLERANCES		SCALE FACTOR		DRAWING NO.	
FRACTIONS	± 1/32	1/2=1		1345	
.XX	± .030"				
.XXX	± .010"				
ANGLE	± 2-0°				
CONCENTRICITY	± .015 IIR				



Power Distribution Services, Inc.
1810 CRENSHAW PARK DR., WEST GOSHOP, ON 4008

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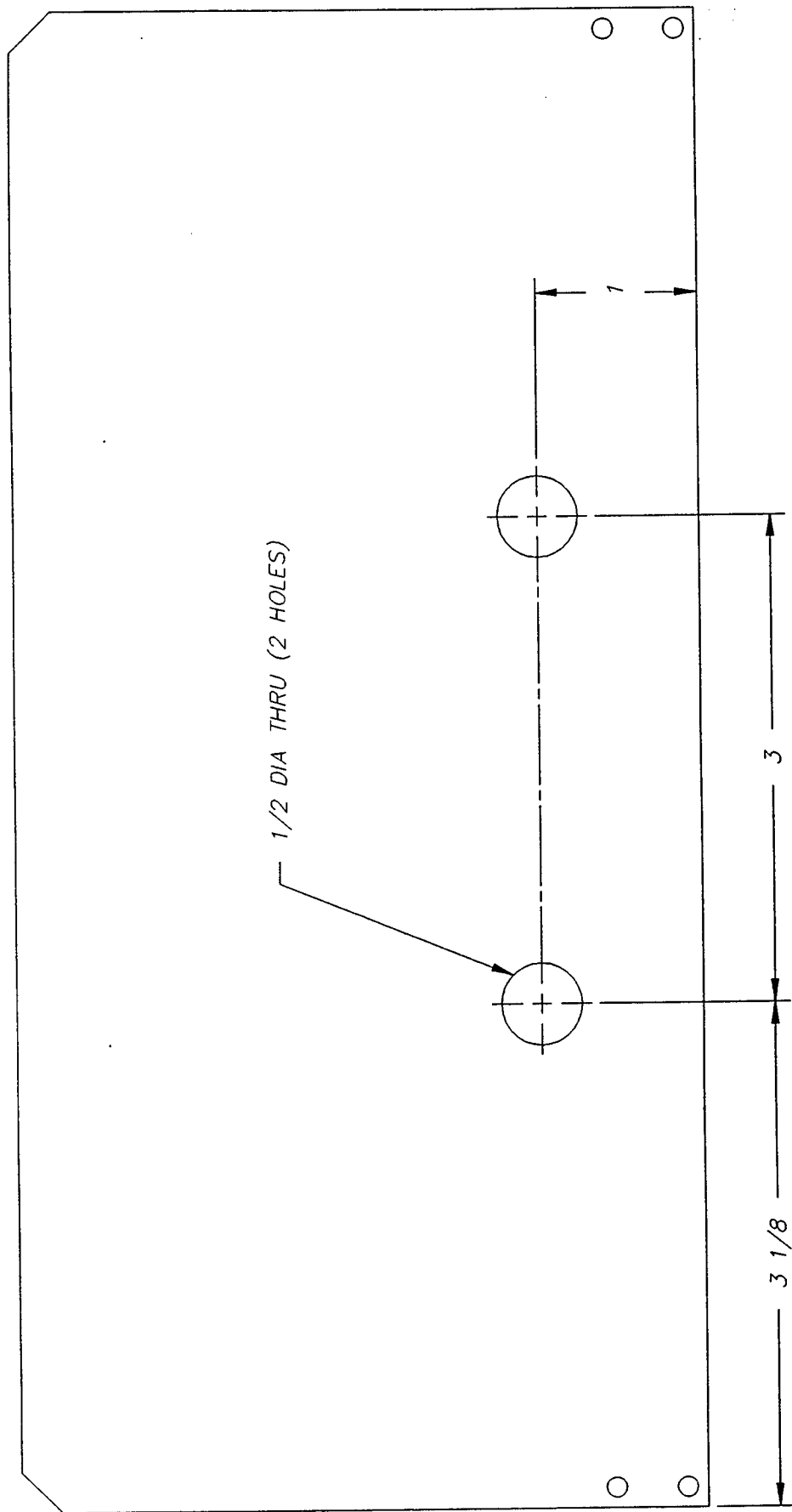
REV	DATE	REMARKS	BY



NOTE:
1 MAT'L - MODIFY "TRIP UNIT BRACKET" AS SHOWN

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES FRACTIONS SHALL BE IN 16ths & 32nds		DIGITRIP MOUNTING BRACKET	
DESIGN BY: JMS	DATE: 7/22/91	CIRCUIT BY: JMS	
USED ON: AK-1-15	POWER DISTRIBUTION SERVICES, INC.		
SCALE: 1"=1'	1346	1870 CRESCENT PARK DR., WEST CHESTER, OH 45080	
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REV	DATE	REMARKS	BY



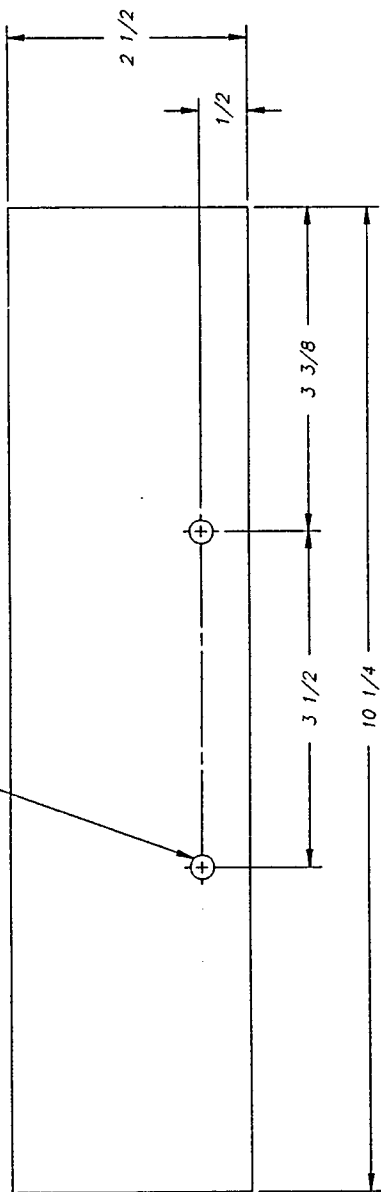
NOTE:
1 MAT'L - GP03 (FROM RMS KIT)

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AND ALL DIMENSIONS ARE SHOWN UNLESS NOTED OTHERWISE		PROGRAMMER INSULATOR	
STANDARD TOLERANCES	FRAC	DEC	DATE
FRACTIONS	± 1/32	7/23/81	
.XK	± 0.00"	USED OR	AK-1-15
.XX	± 0.01"	SCALE FACTOR	1=1
ANGLE	± 2°-0'	TORAYNO NO.	1347
CONCENTRICITY	± .015 TR	Power Distribution Services, Inc. 8870 CRENSHAW PARK DR., WEST CHESTER, OH 45069	



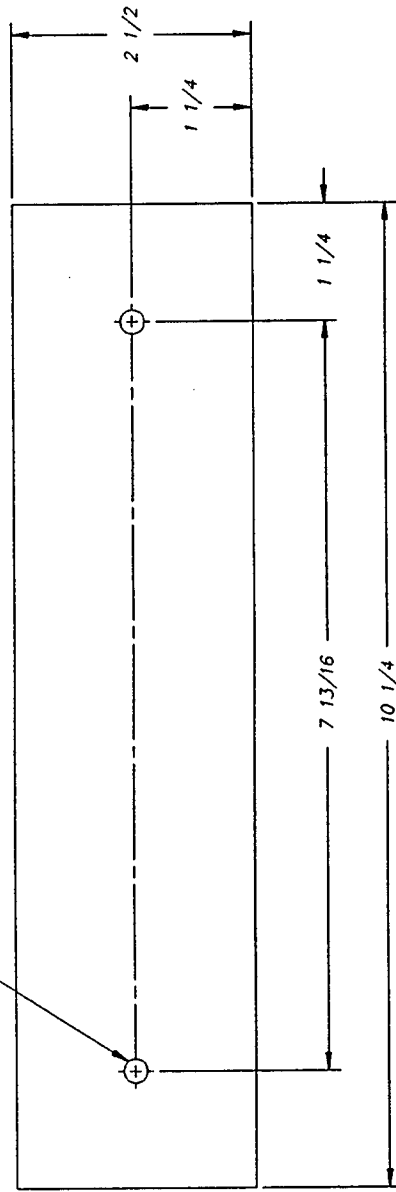
REV	DATE	REMARKS	BY

1/4 DIA THRU (2 PLACES)



MAT'L - 1/8 x 2 1/2 x 10 1/4 GPO3

1/4 DIA THRU (2 PLACES)



MAT'L - 1/8 x 2 1/2 x 10 1/4 GPO3

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES
EXCEPT ALL DIMENSIONS IN PARENTHESIS ARE IN MILLIMETERS

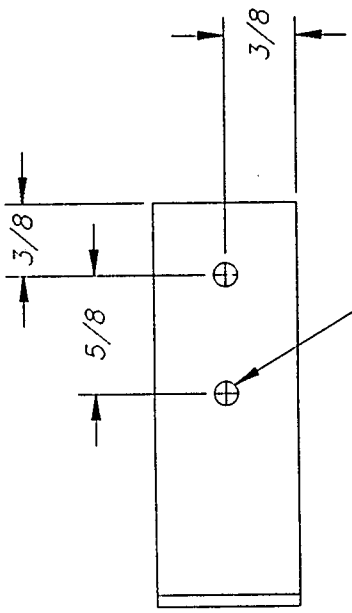
STANDARD TOLERANCES	
FRACTIONS	± 1/32
.XX	± .030"
.XXX	± .010"
ANGLE	± 2°-0'
CIRCULARITY	± .015 IIR

AUX. MODULE INSULATORS

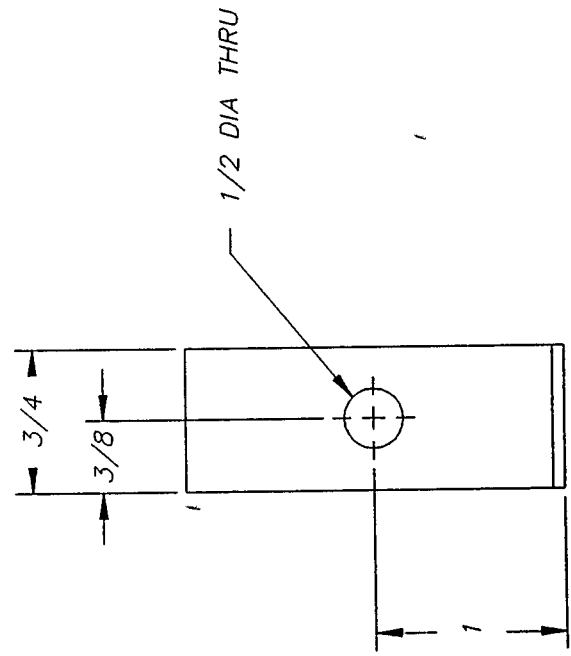
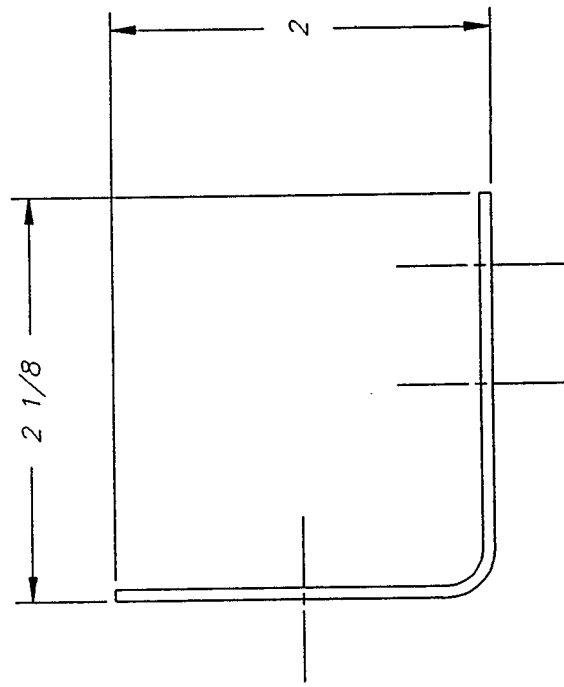
DESIGN BY: JAMES	DATE: 7/19/91	PROJECT: ST-101
USED FOR: AK-1-15	SCALE: 1/2"=1"	DRAWING NO: 1348
		
Power Distribution Services, Inc. 1870 CRESCENT PARK DR., WEST CHESTER, OH 45081		

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REV	DATE	REMARKS	BY



10-32 DRILL & TAP (2 PLACES)



MAT'L - 1/16 STEEL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES STUDY ALL DIMS & DIMENSIONS		DIGITRIP "L" SUPPORT BRACKETS	
DESIGNED BY	DATE	7/12/78	7/12/78
DESIGNED BY	DATE	AK-1-15	AK-1-15
SCALE	1=1	DRAWING NO.	1349
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