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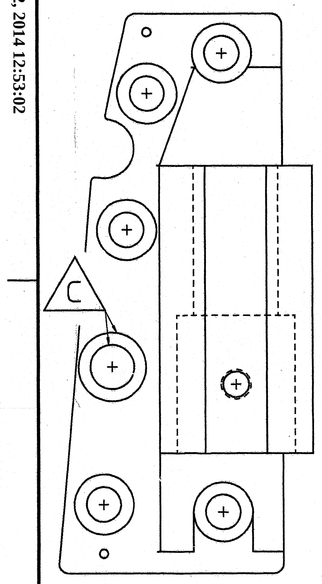
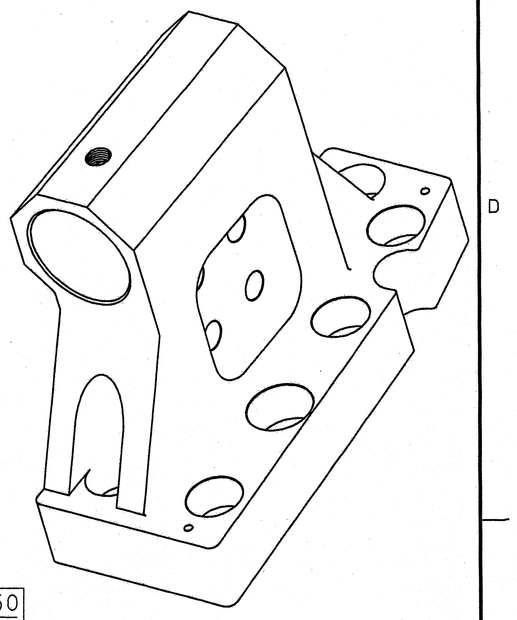
-2
LEFT HAND

-1
RIGHT HAND





BREAK POINT FOR 20° ANGLED SURFACE
SEE SEC. A-A

4X R 1.000 / 2.54

.010 | A | B | C

4 SIDES, 4 RADII
SEE ALSO SEC. A-A

.020 | A | B
FROM dd1-dd2 CW

3.966 / 10.07

3.434 / 8.72

1.528 / 3.88

2X Ø .218 - .235 / .55 D
Ø .015 Ⓜ | A | B | C
2x ON -1 & -2

3/4"-10 UNC 2B
Ø .015 | A | B | C

13.210 / 33.55

12.188 / 30.96

13.750 / 34.93 D

SEE DETAIL FOR
C REV. -1 & -2

4.800 / 12.19

8.727 / 22.17

.500 / 1.27 D C 5.246 / 13.32

1.188 / 3.02

1.751 / 4.45

(6.476)
REF. O/A

1.560 / 3.96

| A | .005
| B | .005
-C-

10.350 / 26.29

3.050 / 7.75

dd2

2X 125°

4X Ø .765-.785 / 1.98
Ø .010 Ⓜ | A | B | C
8X CHAM .03-.06 X 90°

7.700 / 19.56

12.850 / 32.64

5.700 / 14.48

dd1

(.550) / (1.4)

2X R .20 / .51

3.500 / 8.89

5.500 / 13.97

2X 5.570 / 14.15
TO SHARP

A

1.528 / 3.88

B

4.348 / 11.04

4.577 / 11.62

| A | .005
-B-

3.125 / 7.94

1.973 / 5.01

.020 | A | B
FROM cc-dd CW

.750 / 1.91

.402 / 1.02

Ø 2.150-2.175 / 5.46
Ø .015 Ⓜ | A | B | C
CHAM. 2X .03"-.06" X 90°

Ø 3.000-3.003 / 7.62
.010 | A | B | C
CHAM. .03"-.06" X 90°
SEE SEC. B-B

bb

4.531 / 11.51

3.942 / 10.01
TO SHARP

20°

257.5°

R .77 / 1.91

2X R .10 / .25

10.057 / 25.54

2x 8.904 / 22.62

7.334 / 18.63

6.584 / 16.72
TO SHARP

cc

3X R .125 / .32
2X ON dd

8.119 / 20.62

.003
-A-

14.210 / 36.09

10.787 / 27.4

5X Ø 1.50-1.53 / 3.81
Ø .015 | A | B | C
DEPTH AS PER SEC. B-B

5X Ø .880-.883 / 2.24
Ø .005 | A | B | C
5X MAX. CHAM. .015" NEARSIDE

R .125 / .32

95°

aa

4X R .25 / .64

2.375 / 6.03

.020 | A | B
FROM aa-bb CCW

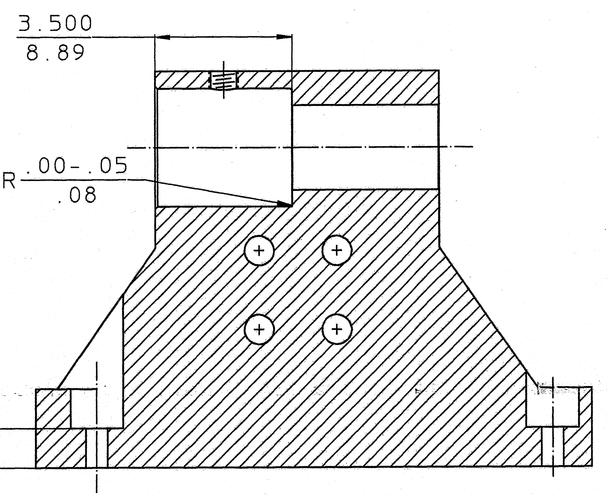
| A | .003

5.750 / 14.61
TO SHARP

B

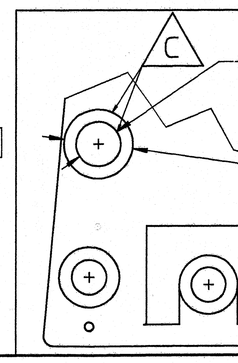
2.00-2.02 / 5.08

SEC. A-A



SEC. B-B

24A8066D



1.124-1.127 / 28.58
Ø .005 | A | B | C
MAX. CHAM. .015" NEARSIDE
1 LOC. -1 & 1 LOC. -2 ONLY

1.74-1.75 / 44.45
Ø .015 | A | B | C
DEPTH AND PARALLEL AS PER SEC. B-B
1 LOC. -1 & 1 LOC. -2

C REV
DETAIL
-1 shown

NOTE:
1. ALL DIMENSIONS GIVEN IN METRIC ARE FOR REFERENCE ONLY AND TOLERANCE IS NOT SHOWN.
2. RIGHT HAND (-1) IS SHOWN IN DETAIL. LEFT HAND (-2) IS MIRRORED ABOUT DATUM B.
3. ESTIMATED WEIGHT = 29 LB.

REV.	DWN.	CHK.	ZONE	DATE	CHANGES
D	GK	GE		7/30/96	ADDED 7/32 DOWEL PIN PILOT HOLES
C	GK	GE		2/14/96	VERT. DIM. WAS 5.135" HOLE & CBORE DIA.
					WERE THE SAME AS OTHER 5 HOLES SHOWN
B	GK	GE		1/3/96	HOUSEKEEPING - NO DIM OR FORM CHANGES
A	GK	GE		12/8/95	RELEASED FOR FABRICATION

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE INCHES / CENTIMETERS
TOLERANCE: X = ±.06, XX = ±.020, XXX =±.005; ANGLES ±5°; FINISH 125
SHOP ORDERS
SAMED, FLAMECUT, SHEARED OR STOCK FINISH
ALL SCREW THREADS PER ANSI Y14.6
BREAK EDGES .020/.05 MAX ON MACHINE WORK
REFERENCE - ANSI Y14.5 & B46.1

ITEM	REQ	PART NUMBER	DESCRIPTION
-2		LEFT HAND	ALUMINUM, 2024 T4
-1		RIGHT HAND	ALUMINUM, 2024 T4

WBS = 4.2.5
Production Approval: WELLS
STAR DRAWING NUMBER: TPC506-E-1 | REV.: C
RHIC DRAWING NUMBER | REV.

LAWRENCE BERKELEY LABORATORY
UNIVERSITY OF CALIFORNIA - BERKELEY
RHIC – STAR –TPC
WHEEL – SUPPORT BRACKET
SUPPORT BRACKET

PATENT CLEAR | DRAWING TYPE: DETAIL | SHOWN ON: 24A8066 | SCALE: FULL | DO NOT SCALE PRINTS
MORPHED | DESIGN ACCOUNT: 8052-25 | CATEGORY CODE: SR-02-05 | LBL DRAWING NUMBER: 24A8066 | REV.: D

ORIGIN BY: G.KOEHLER DATE: 12/8/95
CHECK BY: GE DATE