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ITEM	RO'D	Part Number	Material/Parts Call-Out
			ALUMINUM 6061-T6

15 x .395 / 10.03 — .240 / 6.10 — 14 x .225 / 5.72

.500 / 12.70 — .795 / 20.19

SECTION A–A
SCALE 1:1

.260±.004 / 6.60±0.10 — .130±.002 / 3.30±0.05 — .516±.004 / 13.11±0.10 — .258±.002 / 6.55±0.05 — .312±.004 / 7.94±0.10 — .156±.002 / 3.97±0.05 — .550±.004 / 13.96±0.10 — .180±.002 / 4.56±0.05

14 x 1.630 = 22.820 — 1.528 — .762 — .450

4 x R.063 / 1.59 — SEE DETAIL 1 (×15) — SEE DETAIL 1

4 x R.063 / 1.59

.260±.004 / 6.60±0.10 — .130±.002 / 3.30±0.05 — .258±.002 / 6.55±0.05 — .156±.002 / 3.97±0.05 — .516±.004 / 13.11±0.10 — .312±.004 / 7.94±0.10 — .180±.002 / 4.56±0.05 — .690±.004 / 17.53±0.10

4 x R.063 / 1.59

DETAIL 1
SCALE 2:1
15 PLACES
⌖ .010/.25Ⓢ A B C

DETAIL 2
SCALE 2:1
5 PLACES
⌖ .010/.25Ⓢ A B C

2 x R — .250 / 6.35 — 1.640 / 41.66

DETAIL 3
SCALE 2:1
4 PLACES
⌖ .010/.25Ⓢ A B C

R.125 / 3.18 — R.150 / 3.81 — .250 / 6.35 — .300 / 7.62 — .150 / 3.81 — .260 / 6.60 — R.125 / 3.18

.850 / 21.59 — 4 PLACES — SEE DETAIL 3

.800 / 20.32 — REF

SECT C–C
SCALE 1:1

.240 / 6.10

SEE DETAIL 2 (×6) — SEE DETAIL 3 (×6)

.760 / 19.31 — .500 / 12.70 — .225 / 5.72

Ø.250/6.35 to DEPTH SHOWN
⌖ Ø.010/.25Ⓢ A B C

4.891 / 124.23 (×6) — 5.021 / 127.54 — 5.420 / 137.67 — 1.525 / 38.74

Ø.090/2.29 THRU TO CHANNEL
Ø.250/6.35 C'BORE to DEPTH SHOWN
⌖ Ø.010/.25Ⓢ A B C

Ø.330±.002 / 8.38±0.05
⌖ Ø.010/.25Ⓢ A B C

Ø.400±.002 / 10.16±0.05
⌖ Ø.010/.25Ⓢ A B C

.17 / 4.3

.850 / 21.59 — .800 / 20.32 REF — .800 / 20.32 — .900 / 22.86 REF — -A-

.294 / 7.46

SECTION B–B
SCALE 1:1

25.636 / 651.16 — -C-

R.13 / 3.2 — 15.0° — SEE DETAIL 4 (×4)

.250-20UNC-2B TAP THRU
⌖ Ø.010/.25Ⓢ A B C

.250 / 6.35 — 1.250 / 31.75 — .250 / 6.35 — -B-

1.00 / 25.4

.600 / 15.24

R.13 / 3.2 — .500 / 12.70 — 1.750 / 44.45 — .900 / 22.86

.1 x 45° CHAMF — 3 PLACES

DETAIL 4
SCALE 2:1
4 PLACES
⌖ .010 A B C

R.13 / 3.2 — R.13 / 3.2 — .150 / 3.81 — .500 / 12.70 REF

REV.	DWN.	CHK.	ZONE	DATE	CHANGES
A	JB			95-04-04	CHANGED TO STAR LOGO, DUAL DIMS.
A	JB			95-04-04	ADDED 2.260, .150 WAS .100

UNLESS OTHERWISE SPECIFIED — SHOP ORDERS
ALL DIMENSIONS ARE INCHES / CENTIMETERS
X/X = ±.06/.15 — ANGLES ±5°
.XX/.X = ±0.02/0.05 — FINISH 125/32
.0XXX/.XX=±.005/.01
SAWED, FLAMECUT, SHEARED OR STOCK FINISH
ALL SCREW THREADS ARE ISO METRIC CLASS 6
BREAK EDGES .020/.05 MAX ON MACHINE WORK
REFERENCE – ANSI Y14.5 & B46.1
ACCT. NO. — SER. NO. — DATE RECD. — NO. RECD. — DELIVER TO — SURFACE TREATMENT: DEGREASE — IDENTIFICATION METHOD: TAG
DRWN: J BOEHM 9/02/15 — CHK: — APP: — DATE

WBS = 0.00.0 — Production Approval: — Cognizant Engineer: J BERCOVITZ

STAR DRAWING NUMBER: TPC395-E-1 — REV.: A — RHIC DRAWING NUMBER: XXXXXXXXXX -

LAWRENCE BERKELEY LABORATORY
UNIVERSITY OF CALIFORNIA – BERKELEY
RHIC-STAR-TPC
OUTER SECTOR
LOWER HEADER, LEFT

PATENT CLEAR — DRAWING TYPE: DETAIL — SHEET ON: 00X0000 — SCALE: FULL — DO NOT SCALE PRINTS
MICROFILMED — DESIGN ACCOUNT: 8052-24 — CATEGORY CODE: SR-02-04 — LBL DRAWING NUMBER: 24A4046 — REV.: A

24A4046A

24A4046A