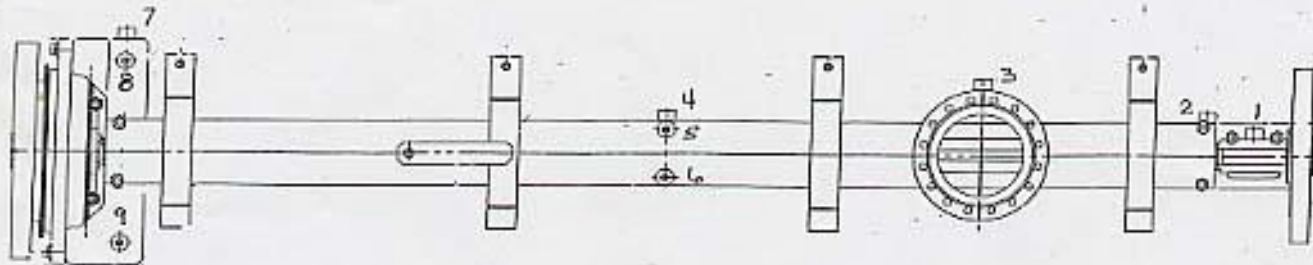


SSRL - SPEAR 3
INJECTION SEPTUM CHAMBER

8-15-03

8/18/03



BEAM

	X	Y	Z
1	-0.064	2.242	-26.031
2	4.986	2.945	-23.943
3	8.288	4.459	-13.990
4	4.948	2.939	+0.018
5	7.645	1.056	+0.013
6	7.638	-1.132	+0.019
7	4.984	6.658	23.569
8	7.376	4.138	23.578
9	7.354	-4.191	23.604

SSRL

Septum Chamber in Pop Vac

8-15-03
Perry McDargal

Set knife edge for $y=0$, pitch,
pins in flange for roll

Z total (print) 48.646
X knife edge = 1.014

gun, O of knife

Ref. 8.644 = ϕ

$$\frac{19.722}{8.644} = c/L$$

$$\frac{11.078}{8.644} = 8/L \checkmark$$

1
11.078
7.836

1
+2.242

2
11.078
7.133

1
+2.945

3
11.078
5.619

1
+4.459

4
11.078
7.139

1
+2.939

5
11.078
9.022

1
+1.056

6
11.078
11.210

1
-1.132

7
11.078
3.420

1
+6.658

8
11.078
5.940

1
+4.138

9
11.078
7.269

8
-4.191

X to knife edge, $x = -1.014$

BACKIN FOR 5, 6, 8, 9.

FV 1.014
 NV 1.014
 1F 23.000
 N 22.995
 2F 22.988
 N 22.988
 S/R 22.988
 LOS -24.002

7) +4.984
 2) +4.986
 35.000 +1
 36.562 +1
 40.000 +1
 39.329 +1
 39.461 -1
 39.459 -1
 + 44.445 LOS

CHECK
 4) 44.445
 4.948
 39.497
 1.000
 38.497 S/R
 38.499
 -002

1
 -24.002
 22.938

-064

2
 -24.002
 27.988

+4.986

4
 -24.002
 27.956

+4.948

7
 -24.002
 27.986

+4.984

3) 31.290
 1.000
 32.290
 24.002

+8.288

+44.445 LOS (5, 6, 8, 9)

5) 35.800
 1.000
 36.800
 44.445

+7.645

6) 35.807
 1.000
 36.807
 44.445

+7.638

8) 36.069
 1.000
 37.069
 44.445

+7.376

9) 36.091
 1.000

37.091
 44.445
 +7.354

SSRL
INT. SEPTUM CHAMBER

8-15-03
J. Mc., L.G.

2

$$\begin{array}{r} \text{u/s } 24.035 \\ \text{ds } 24.600 \\ \hline 48.635 / 2 = 24.318 \\ \quad 24.035 \\ \hline \quad - .283 \text{ LOS} \end{array}$$

$$\begin{array}{r} 1) 24.748 \\ \quad 1.000 \\ \hline -25.748 \\ \quad (-).283 \\ \hline \boxed{-26.031} \end{array}$$

$$\begin{array}{r} 2) +.375 \text{ ds of} \\ \quad \downarrow \\ -24.318 \text{ u/s} \\ \hline \boxed{-23.943} \text{ EDGE CHAM.} \end{array}$$

$$\begin{array}{r} 3) 12.707 \\ \quad 1.000 \\ \hline -13.707 \\ \quad (-).283 \\ \hline \boxed{-13.990} \end{array}$$

$$\begin{array}{r} 4) +.051 \text{ to u/s edge} \\ \quad \quad \quad \text{T/B} \\ \quad \quad .250 \\ \hline +.301 \\ \quad (-).283 \\ \hline \boxed{+.018} \end{array}$$

$$\begin{array}{r} 5) +.046 \text{ to u/s edge} \\ \quad \quad \quad \text{T/B} \\ \quad \quad .250 \\ \hline +.296 \\ \quad (-).283 \\ \hline \boxed{+.013} \end{array}$$

$$\begin{array}{r} 6) +.052 \text{ to u/s edge} \\ \quad \quad \quad \text{T/B} \\ \quad \quad .250 \\ \hline +.302 \\ \quad (-).283 \\ \hline \boxed{+.019} \end{array}$$

$$\begin{array}{r} 7) 22.852 \\ \quad 1.000 \\ \hline +23.852 \\ \quad (-).283 \\ \hline \boxed{+23.569} \end{array}$$

$$\begin{array}{r} 8) 22.861 \\ \quad 1.000 \\ \hline +23.861 \\ \quad (-).283 \\ \hline \boxed{+23.578} \end{array}$$

$$\begin{array}{r} 9) 22.887 \\ \quad 1.000 \\ \hline +23.887 \\ \quad (-).283 \\ \hline \boxed{+23.604} \end{array}$$

SSRL

INS. SEPTUM CHAMBER

8-15-03
MC. & PERRY

u/s APER.

Top 9.288
Bot 7.948

$$\sqrt{17.236/2} = 8.618 = \phi$$

$$8.644 = \phi \text{ KNIFE EDGE}$$

$$\Delta = .026$$

u/s FLANGE 7.980 DIA
3.990 RAD11.078 HI
3.990 RAD7.088 s/r
7.112

$$-.024$$

④ 44.445 U/S

2.380

u/s FLANGE

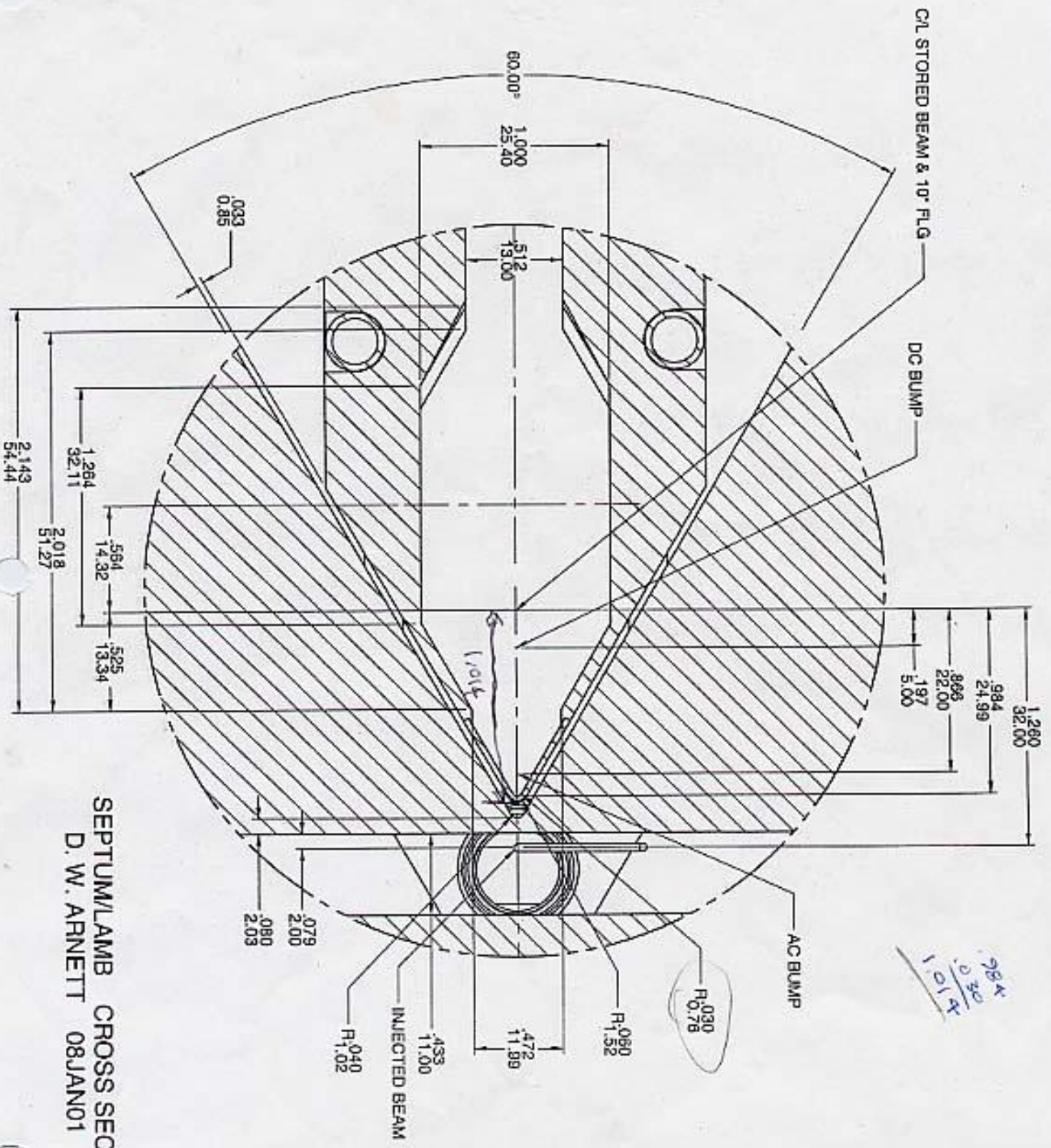
$$(+ \text{ SIDE}) 13.339 + 30 = 43.339$$

$$(- \text{ SIDE}) 15.668 + 30 = 45.668$$

$$\sqrt{89.007/2} = 44.504 \phi$$

44.445
3.990 RAD40.455
1. —39.455 s/r
39.500

$$-.045$$



SEPTUM/LAMB CROSS SECT
 D. W. ARNETT 08JAN01