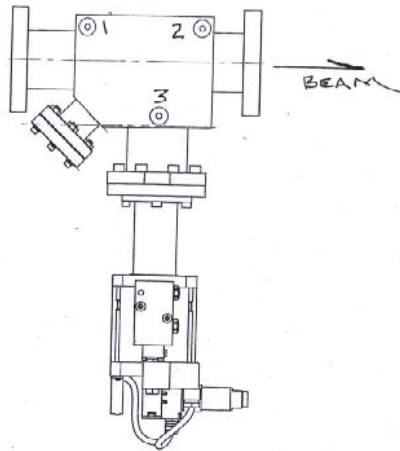


SSRL-BTS

9-09

PR-1 BPM/STOPPER



	X	Y	Z
1	-3.003	1.436	3.180
2	-3.001	1.386	7.968
3	-2.995	-2.339	6.170

Z'S ARE FROM
THE U/S FLANGE

SSRL BTS
PR-1 BPM/STOPPER

9-28-09

JM, LG.

(X)

u/s FL, 4.470 DIA,
2.235 RAD

D/S INSERT 3.240 DIA,
1.620 RAD

$$\begin{array}{r} u/s) 11.762 \\ \underline{2.235 \text{ SR}} \\ 13.997 \end{array}$$

$$\begin{array}{r} D/s) 12.379 \\ \underline{1.620 \text{ R}} \\ 13.999 \end{array}$$

-13.998 LOS

ROLL (BODY)
Top) 12.500 Bot) 12.504

$$\begin{array}{r} 1) 9.995 \\ \underline{1.} \\ 10.995 \end{array}$$

$$\begin{array}{r} 2) 9.997 \\ \underline{1.} \\ 10.997 \end{array}$$

$$\begin{array}{r} 3) 10.003 \text{ READ} \\ \underline{1.} \text{ FT} \\ 11.003 \end{array}$$

$$\begin{array}{r} 11) 13.998 \\ \underline{17.} \\ -3.003 \end{array}$$

$$\begin{array}{r} 12) 13.998 \\ \underline{17.} \\ -3.001 \end{array}$$

$$\begin{array}{r} 13) 13.998 \\ \underline{16.} \\ -2.995 \end{array}$$

17.463 REF. BLADE

13.998 LOS

$$\begin{array}{r} \underline{17.463} \\ 13.998 \\ 3.465 = \phi \end{array}$$

TARGET

-006 +003
-4 -7 Roll

ϕ AFTER SEAL

SSRL BTS
PR-1 BPM/STOPPER

9-28-09
JM, LG

Ⓜ

1.620 d/s
2.235 u/s

7.000
6.523
11.000
10.140
8.441
7.826

+10.061 HI

+035
7.590

+035
7.640

11.364

1) 7.625
1. ———
8.625
10.061

2) 7.675
1. ———
8.675
10.061

3) 11.400
1. ———
12.400
10.061

+1.436

+1.386

-2.339

1.000 REF. BLADE

10.061 HI

11.061 = ϵ

TARGET

ϕ no roll

+0.021 After seal

-014

F 1.386
N 1.436

17.000 + 1
16.844 + 1
14.000 + 1
13.982 + 1

14.696 + 1
14.646 + 1

SSRL BTS

9-28-09

PR-1 BPM/STOPPER

J.M., L.G.

(Z)

15.232 FACE OF V/S FLANGE

-15.232 CO'S

$$\begin{array}{r} 1) \quad 17.412 \\ \quad \quad \underline{1} \\ \hline \sqrt{18.412} \\ \quad 15.232 \\ \hline \boxed{+3.180} \end{array}$$

$$\begin{array}{r} 2) \quad 22.200 \\ \quad \quad \underline{1} \\ \hline \sqrt{23.200} \\ \quad 15.232 \\ \hline \boxed{+7.968} \end{array}$$

$$\begin{array}{r} 3) \quad 20.402 \\ \quad \quad \underline{1} \\ \hline \sqrt{21.402} \\ \quad 15.232 \\ \hline \boxed{+6.170} \end{array}$$