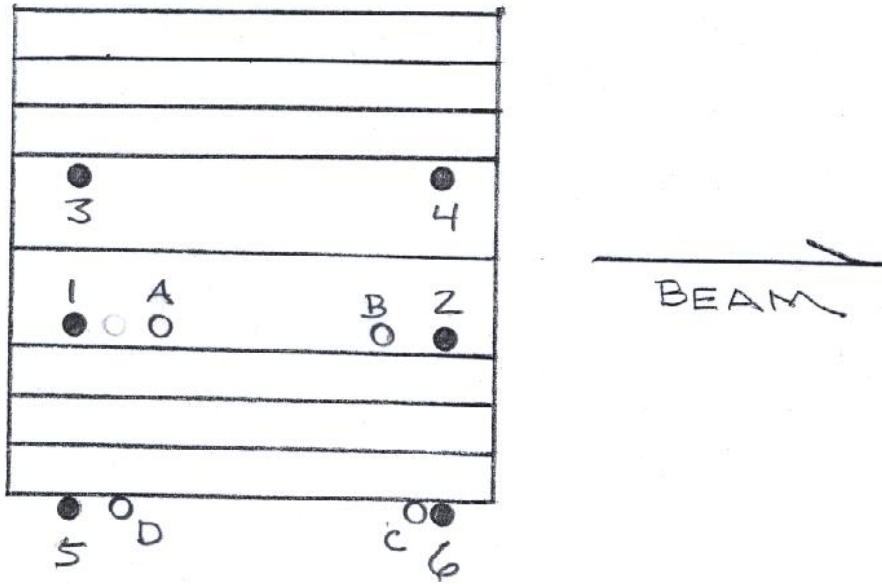


LAB DATA



	X	Y	Z
1	-1.389	8.729	-3.323
2	-1.020	8.732	5.522
3	1.277	8.741	-3.354
4	1.049	8.735	5.263
5	-8.740	1.357	-3.416
6	-8.734	1.220	4.626
A	-1.075	8.774	-.486
B	-1.065	8.776	4.395
C	-8.782	-.836	4.665
D	-8.782	-.771	-2.926

LAB DATA 50 QZ

2-9-10

JM, LG, BR

(X)

$$\begin{array}{r} 29.157 \text{ g} \\ 19.157 \\ \hline -10.000 \text{ LOS} \end{array}$$

1) 7.611

$$\begin{array}{r} 1 \text{ —} \\ \hline 8.611 \\ 10. \text{ —} \\ \hline -1.389 \end{array}$$

2) 7.980

$$\begin{array}{r} 1 \text{ —} \\ \hline 8.980 \\ 10. \text{ —} \\ \hline -1.020 \end{array}$$

3) 10.277

$$\begin{array}{r} 1 \text{ —} \\ \hline 11.277 \\ 10. \text{ —} \\ \hline 1.277 \end{array}$$

4) 10.049

$$\begin{array}{r} 1 \text{ —} \\ \hline 11.049 \\ 10. \text{ —} \\ \hline 1.049 \end{array}$$

5) 0.260

$$\begin{array}{r} 1 \text{ —} \\ \hline 1.260 \\ 10.000 \\ \hline -8.740 \end{array}$$

6) 0.266

$$\begin{array}{r} 1 \text{ —} \\ \hline 1.266 \\ 10. \text{ —} \\ \hline -8.734 \end{array}$$

A) 7.925

$$\begin{array}{r} 1 \text{ —} \\ \hline 8.925 \\ 10. \text{ —} \\ \hline -1.075 \end{array}$$

B) 7.935

$$\begin{array}{r} 1 \text{ —} \\ \hline 8.935 \\ 10.000 \\ \hline -1.065 \end{array}$$

c) 0.218

$$\begin{array}{r} 1 \text{ —} \\ \hline 1.218 \\ 10.000 \\ \hline -8.782 \end{array}$$

d) 0.218

$$\begin{array}{r} 1 \text{ —} \\ \hline 1.218 \\ 10. \text{ —} \\ \hline -8.782 \end{array}$$

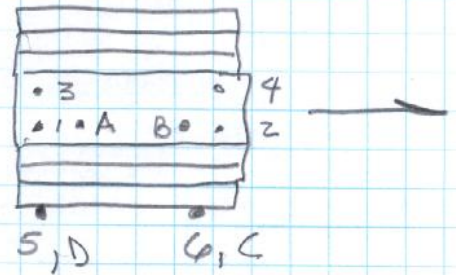
50 Q 2

2-9-10

Y LAB DATA

JM, BR, LG

27.654 READ
14.472 TOP OF RAIL
13.182 HI



1) 3.453

$$\begin{array}{r} 1 \\ \hline 4.453 \\ \hline 13.182 \\ \hline 8.729 \end{array}$$

2) 3.450

$$\begin{array}{r} 1 \\ \hline 4.450 \\ \hline 13.182 \\ \hline 8.732 \end{array}$$

3) 3.441

$$\begin{array}{r} 1 \\ \hline 4.441 \\ \hline 13.182 \\ \hline 8.741 \end{array}$$

4) 3.447

$$\begin{array}{r} 1 \\ \hline 4.447 \\ \hline 13.182 \\ \hline 8.735 \end{array}$$

5) 10.825

$$\begin{array}{r} 1 \\ \hline 11.825 \\ \hline 13.182 \\ \hline 1.357 \end{array}$$

6) 10.962

$$\begin{array}{r} 1 \\ \hline 11.962 \\ \hline 13.182 \\ \hline 1.220 \end{array}$$

A) 3.408

$$\begin{array}{r} 1 \\ \hline 4.408 \\ \hline 13.182 \\ \hline 8.774 \end{array}$$

B) 3.406

$$\begin{array}{r} 1 \\ \hline 4.406 \\ \hline 13.182 \\ \hline 8.776 \end{array}$$

c) 13.018

$$\begin{array}{r} 1 \\ \hline 14.018 \\ \hline 13.182 \\ \hline -.836 \end{array}$$

d) 12.953

$$\begin{array}{r} 1 \\ \hline 13.953 \\ \hline 13.182 \\ \hline -.771 \end{array}$$

Z

LAB DATA

50 Q 2

2-9-10

BR, JM, LG.

FACE

u(s) 17.085

D(s) 4.670

$\frac{21.755}{2} = 10.878 \text{ LOS}$

$$\begin{array}{r}
 1) \ 13.201 \\
 \underline{1} \\
 14.201 \\
 \underline{10.878} \\
 \boxed{-3.323}
 \end{array}$$

$$\begin{array}{r}
 2) \ 4.356 \\
 \underline{1} \\
 5.356 \\
 \underline{10.878} \\
 \boxed{+5.522}
 \end{array}$$

$$\begin{array}{r}
 3) \ 13.232 \\
 \underline{1} \\
 14.232 \\
 \underline{10.878} \\
 \boxed{-3.354}
 \end{array}$$

$$\begin{array}{r}
 4) \ 4.615 \\
 \underline{1} \\
 5.615 \\
 \underline{10.878} \\
 \boxed{5.263}
 \end{array}$$

$$\begin{array}{r}
 5) \ 13.294 \\
 \underline{1} \\
 14.294 \\
 \underline{10.878} \\
 \boxed{-3.416}
 \end{array}$$

$$\begin{array}{r}
 6) \ 5.252 \\
 \underline{1} \\
 6.252 \\
 \underline{10.878} \\
 \boxed{4.626}
 \end{array}$$

$$\begin{array}{r}
 A) \ 10.364 \\
 \underline{1} \\
 11.364 \\
 \underline{10.878} \\
 \boxed{-486}
 \end{array}$$

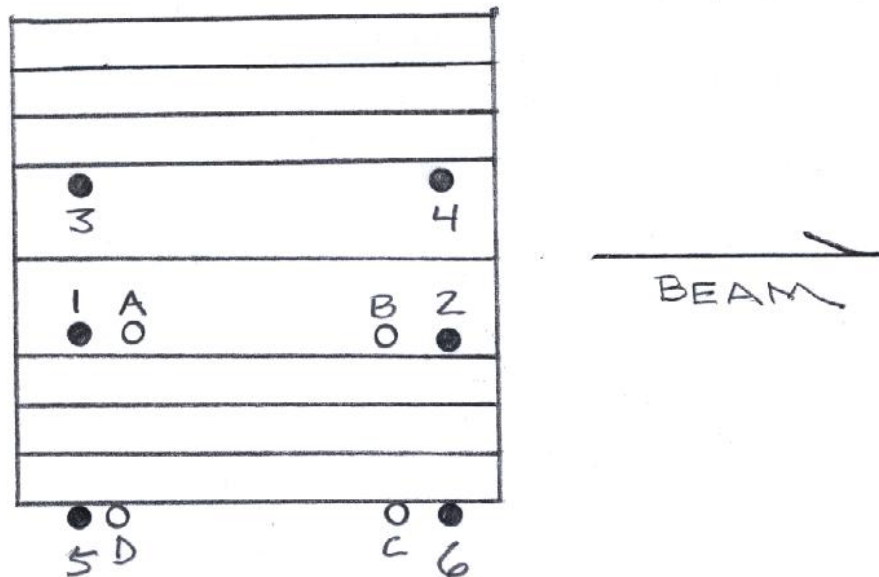
$$\begin{array}{r}
 B) \ 5.483 \\
 \underline{1} \\
 6.483 \\
 \underline{10.878} \\
 \boxed{4.395}
 \end{array}$$

$$\begin{array}{r}
 c) \ 5.213 \\
 \underline{1} \\
 6.213 \\
 \underline{10.878} \\
 \boxed{4.665}
 \end{array}$$

$$\begin{array}{r}
 d) \ 12.804 \\
 \underline{1} \\
 13.804 \\
 \underline{10.878} \\
 \boxed{-2.926}
 \end{array}$$

50 Q2
FIELD DATA

2/10



	X	Y	Z
1	-1.399	8.763	-3.323
2	-1.031	8.752	5.522
3	1.267	8.778	-3.354
4	1.040	8.757	5.263
5	-8.741	1.382	-3.416
6	-8.735	1.233	4.626
A	-1.086	8.803	-1.486
B	-1.079	8.796	4.395
C	-8.783	-.824	4.665
D	-8.780	-.748	-2.926

* VALUES FROM BEAMLIN WITH SHIMS ~.040
A, B, C, D ARE GLUED ON SOCKETS

50 Q2

2-9-10

⊗ LAB DATA (PUT SHIM BACK IN)

JM, LG

-10.000 LOG

1) 7.601

$$\begin{array}{r} 1. \\ \hline 8.601 \\ 10.000 \\ \hline -1.399 \end{array}$$

2) 7.969

$$\begin{array}{r} 1. \\ \hline 8.969 \\ 10.000 \\ \hline -1.031 \end{array}$$

3) 10.267

$$\begin{array}{r} 1. \\ \hline 11.267 \\ 10.000 \\ \hline 1.267 \end{array}$$

4) 10.040

$$\begin{array}{r} 1. \\ \hline 11.040 \\ 10.000 \\ \hline 1.040 \end{array}$$

5) 0.259

$$\begin{array}{r} 1. \\ \hline 1.259 \\ 10.000 \\ \hline -8.741 \end{array}$$

6) 0.265

$$\begin{array}{r} 1. \\ \hline 1.265 \\ 10.000 \\ \hline -8.735 \end{array}$$

A) 7.914

$$\begin{array}{r} 1. \\ \hline 8.914 \\ 10.000 \\ \hline -1.086 \end{array}$$

B) 7.921

$$\begin{array}{r} 1. \\ \hline 8.921 \\ 10.000 \\ \hline -1.079 \end{array}$$

C) 0.217

$$\begin{array}{r} 1. \\ \hline 1.217 \\ 10.000 \\ \hline -8.783 \end{array}$$

D) 0.220

$$\begin{array}{r} 1. \\ \hline 1.220 \\ 10.000 \\ \hline -8.780 \end{array}$$

④ LAB DATA

50 QZ
(SHIMS BACK IN)

2-9-10

JM, LG

$$\begin{array}{r} 27.654 \text{ READ ON RAIL} \\ - 14.472 \text{ EL. RAIL} \\ \hline + 13.182 \text{ HI} \end{array}$$

$$\begin{array}{r} 1) 3.419 \\ \quad 1. \text{---} \\ \hline \backslash 4.419 \\ \backslash 13.182 \\ \hline \boxed{8.763} \end{array}$$

$$\begin{array}{r} 2) 3.430 \\ \quad 1. \text{---} \\ \hline \backslash 4.430 \\ \backslash 13.182 \\ \hline \boxed{8.752} \end{array}$$

$$\begin{array}{r} 3) 3.404 \\ \quad 1. \text{---} \\ \hline \backslash 4.404 \\ \backslash 13.182 \\ \hline \boxed{8.778} \end{array}$$

$$\begin{array}{r} 4) 3.425 \\ \quad 1. \text{---} \\ \hline \backslash 4.425 \\ \backslash 13.182 \\ \hline \boxed{8.757} \end{array}$$

$$\begin{array}{r} 5) 10.800 \\ \quad 1. \text{---} \\ \hline \backslash 11.800 \\ \backslash 13.182 \\ \hline \boxed{1.382} \end{array}$$

$$\begin{array}{r} 6) 10.949 \\ \quad 1. \text{---} \\ \hline \backslash 11.949 \\ \backslash 13.182 \\ \hline \boxed{1.233} \end{array}$$

$$\begin{array}{r} A) 3.379 \\ \quad 1. \text{---} \\ \hline \backslash 4.379 \\ \backslash 13.182 \\ \hline \boxed{8.803} \end{array}$$

$$\begin{array}{r} B) 3.386 \\ \quad 1. \text{---} \\ \hline \backslash 4.386 \\ \backslash 13.182 \\ \hline \boxed{8.796} \end{array}$$

$$\begin{array}{r} C) 13.006 \\ \quad 1. \text{---} \\ \hline \backslash 14.006 \\ \backslash 13.182 \\ \hline \boxed{-0.824} \end{array}$$

$$\begin{array}{r} D) 12.930 \\ \quad 1. \text{---} \\ \hline \backslash 13.930 \\ \backslash 13.182 \\ \hline \boxed{-0.748} \end{array}$$

(Z)

LAB DATA

50 Q 2

2-9-10

BR, JM, LG.

FACE

u(s) 17.085

D(s) 4.670

$\sqrt{21.755/2} = 10.878 \text{ LOS}$

1) 13.201

$$\begin{array}{r} 1 \text{ ---} \\ \hline \sqrt{14.201} \\ \sqrt{10.878} \\ \hline -3.323 \end{array}$$

2) 4.356

$$\begin{array}{r} 1 \text{ ---} \\ \hline \sqrt{5.356} \\ \sqrt{10.878} \\ \hline +5.522 \end{array}$$

3) 13.232

$$\begin{array}{r} 1 \text{ ---} \\ \hline \sqrt{14.232} \\ \sqrt{10.878} \\ \hline -3.354 \end{array}$$

4) 4.615

$$\begin{array}{r} 1 \text{ ---} \\ \hline \sqrt{5.615} \\ \sqrt{10.878} \\ \hline 5.263 \end{array}$$

5) 13.294

$$\begin{array}{r} 1 \text{ ---} \\ \hline \sqrt{14.294} \\ \sqrt{10.878} \\ \hline -3.416 \end{array}$$

6) 5.252

$$\begin{array}{r} 1 \text{ ---} \\ \hline \sqrt{6.252} \\ \sqrt{10.878} \\ \hline 4.626 \end{array}$$

A) 10.364

$$\begin{array}{r} 1 \text{ ---} \\ \hline \sqrt{11.364} \\ \sqrt{10.878} \\ \hline -486 \end{array}$$

B) 5.483

$$\begin{array}{r} 1 \text{ ---} \\ \hline \sqrt{6.483} \\ \sqrt{10.878} \\ \hline 4.395 \end{array}$$

c) 5.213

$$\begin{array}{r} 1 \text{ ---} \\ \hline \sqrt{6.213} \\ \sqrt{10.878} \\ \hline 4.665 \end{array}$$

D) 12.804

$$\begin{array}{r} 1 \text{ ---} \\ \hline \sqrt{13.804} \\ \sqrt{10.878} \\ \hline -2.926 \end{array}$$