



Jefferson Lab Alignment Group

Data Transmittal

TO: B. Metzger

DATE: 19 Apr 2019

FROM: Kelly Tremblay

Checked:

: C1917

DETAILS:

data: inspection\hallc\pivotflange\190418a

The new pivot flange for Hall C was inspected on April 19th, 2019. The results below show the comparison between the values on JLab drawing 67507-00003 and the measured values in the field.

A plate with dowel pins was used on the bottom flange to establish a coordinate system to the top flange. A center hole was created that was used as the basis of the coordinate system, along with a machined edge of the plate to establish the direction of the beamline. Threaded rods were installed in the holes and circles were projected to the top plate. The results are shown below in inches:

| Point | Measured | | | Design | | |
|------------------|----------|---------|---------|---------|---------|---------|
| | x[inch] | y[inch] | z[inch] | x[inch] | y[inch] | z[inch] |
| Projected Zero | 0.004 | 5.474 | 0.000 | 0.000 | 5.469 | 0.000 |
| Cir @ 45 | -10.203 | 5.481 | 9.987 | 10.204 | 5.469 | 9.981 |
| Cir @ 135 | -10.202 | 5.481 | -10.844 | 10.204 | 5.469 | -10.843 |
| Cir @ -45 | 10.616 | 5.468 | 9.979 | -10.620 | 5.469 | 9.981 |
| Cir @ downstream | 0.217 | 5.474 | 14.300 | 0.208 | 5.469 | 14.294 |
| Cir @ upstream | 0.204 | 5.474 | -15.159 | 0.208 | 5.469 | -15.156 |