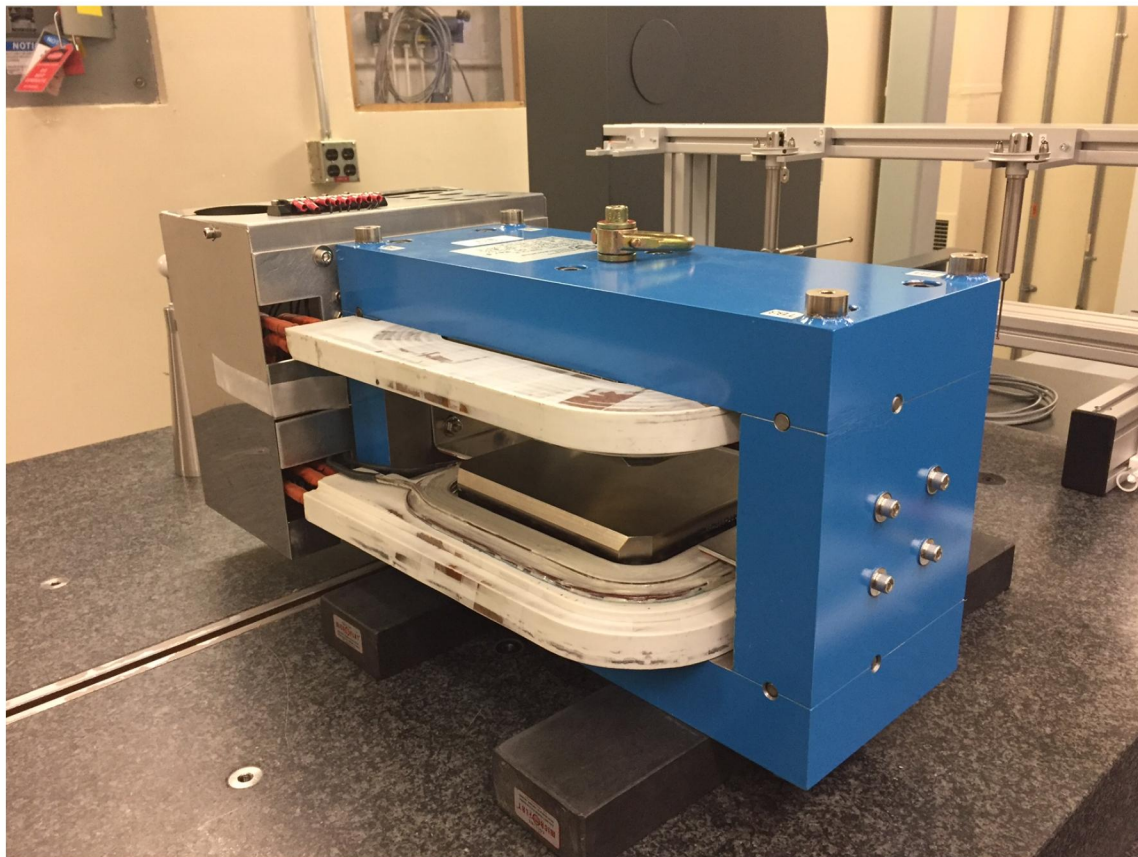


## **FACET II Magnet Fiducialization Report**

### **1.69D6.28T Dipole**



Inspector : K. Caban  
Engineer : M. Johansson  
Drawing No. : SA-388-320-05 R1  
Barcode # : 1.69D6.28T-178701-006  
Mfg. S/N : 006

## **Coordinate System Setup**

### **Spatial Alignment**

Symmetry Plane between 2 Pole surfaces

### **Planar Alignment**

Symmetry Plane between the side planes of (2X) Poles

### **Coordinate Origins**

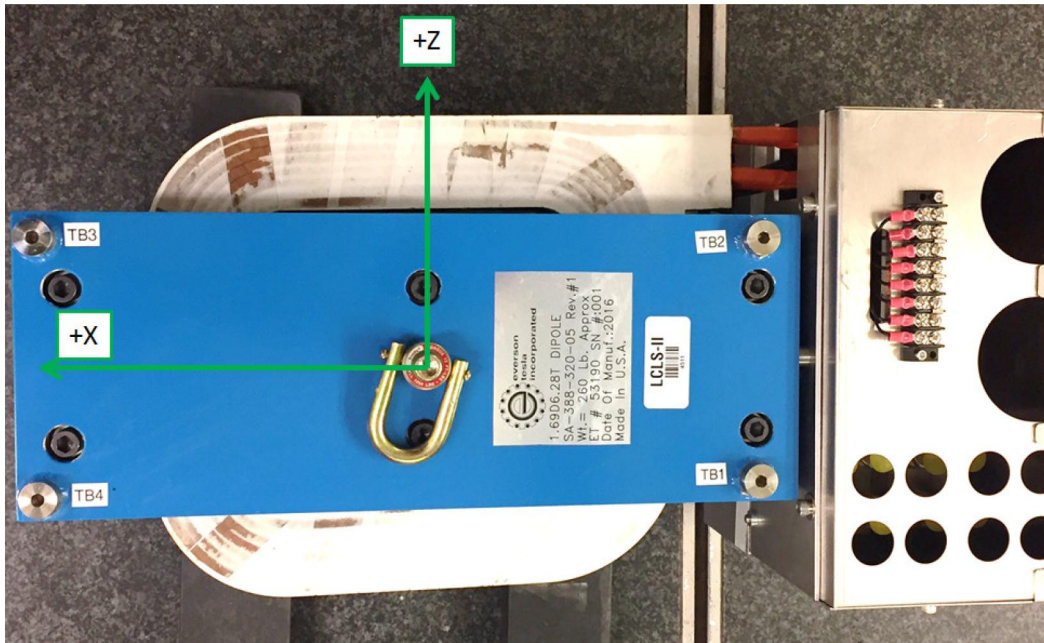
X Origin - Symmetry Plane between poles

Y Origin - Symmetry Plane between the side planes of (2X) Poles

Z Origin - Symmetry plane between Up Stream and Down Stream end surfaces

**Barcode # : 1.69D6.28T-178701-006**  
**MFG S/N: 006**

## Tooling Ball Locations



Tooling Ball	X Coord.	Y Coord.	Z Coord.
TB 1	-7.26144	6.21995	-2.72565
TB 2	-7.21928	6.21842	2.80282
TB 3	7.88440	6.22180	2.71915
TB 4	7.85719	6.22236	-2.81084
TB A	-7.26039	5.53189	-2.72864
TB B	-7.21885	5.53094	2.80360
TB C	7.88507	5.53270	2.72255
TB D	7.85763	5.53621	-2.81337

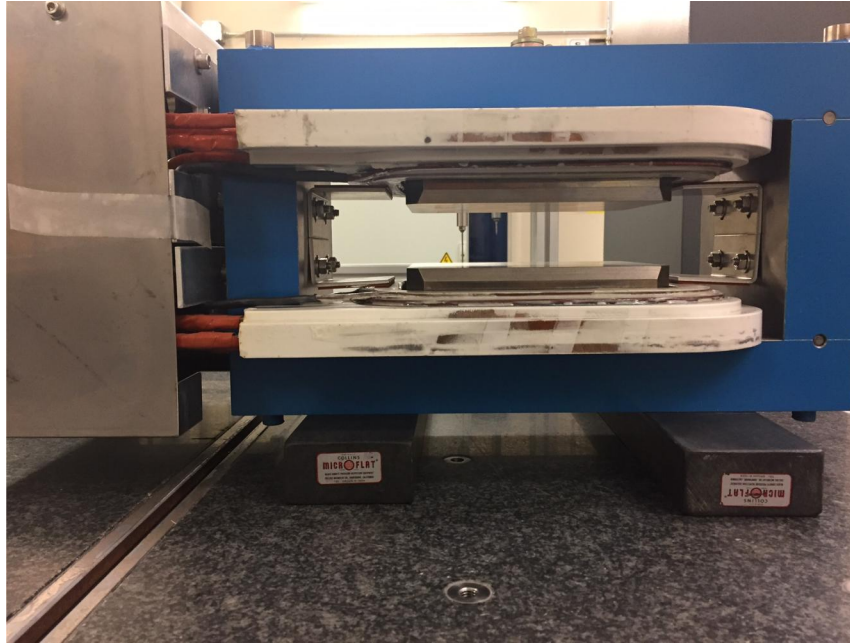
Tooling Ball Locations (1-4) are 1 inch above top surface TB socket  
 Tooling Ball Locations (A-D) are 5/16 inch above top surface TB socket

Dimensions in Inch

**Barcode # : 1.69D6.28T-178701-006**

**MFG S/N: 006**

## Pole Gap Measurements



	Nominal Gap	Average Gap	Minimum Gap	Pole Parallelism
Pole Gap	<b>1.693 ± 0.002</b>	1.69411	1.69413	0.00094

Dimensions in Inch

**Barcode # : 1.69D6.28T-178701-006**  
**MFG S/N: 006**