Optical Surface
SCT-OPTMO/121108
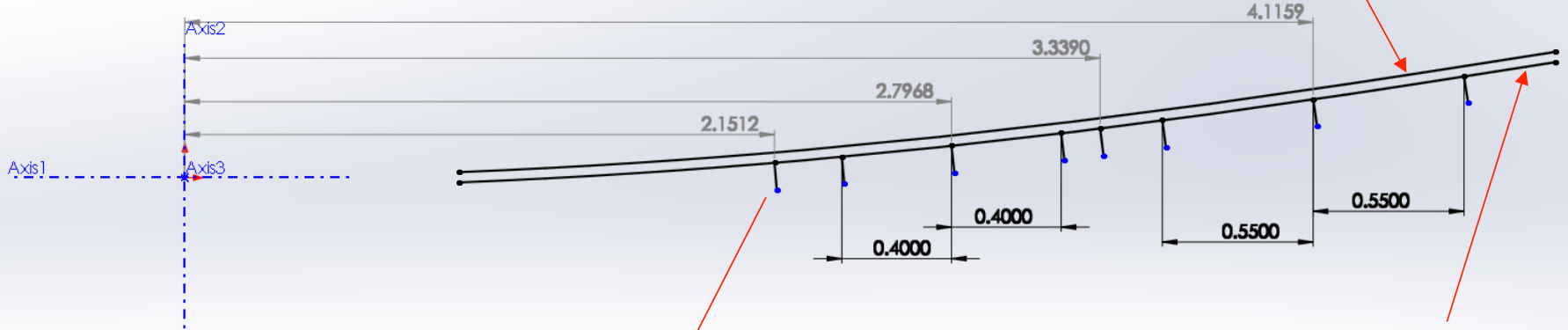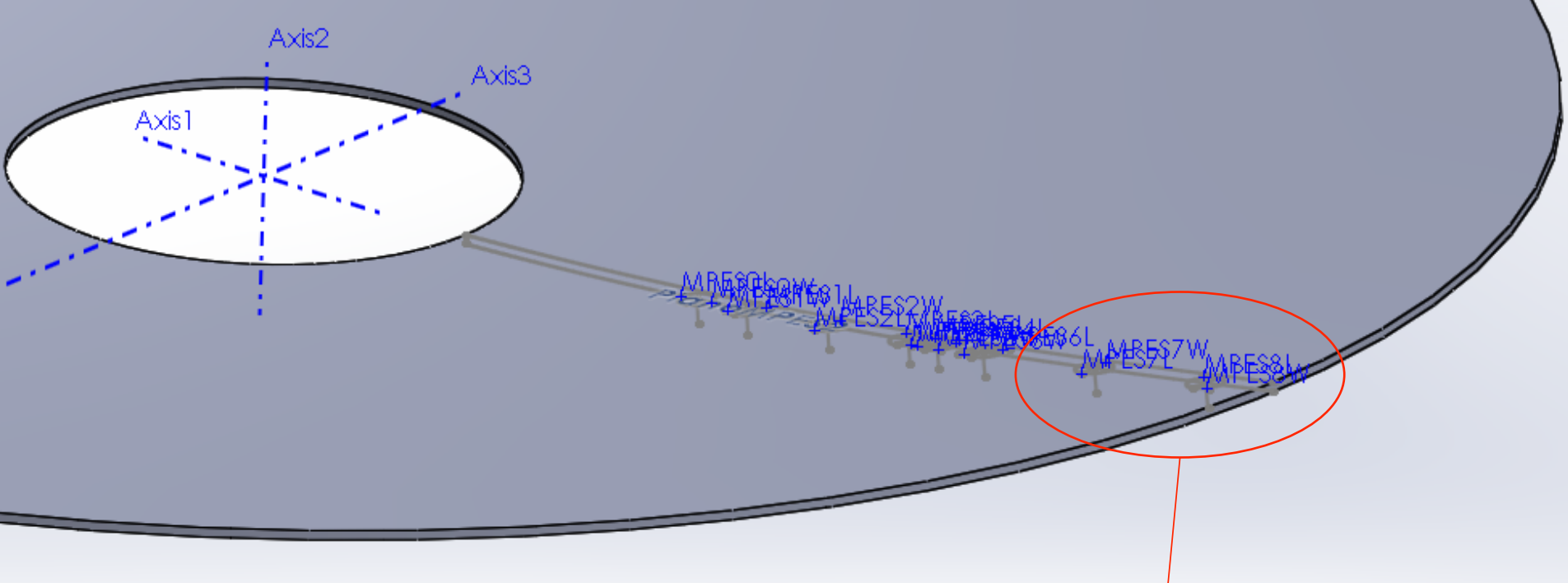Primary Mirror Definition (2.1)
y=0, z(tau)=z(x)

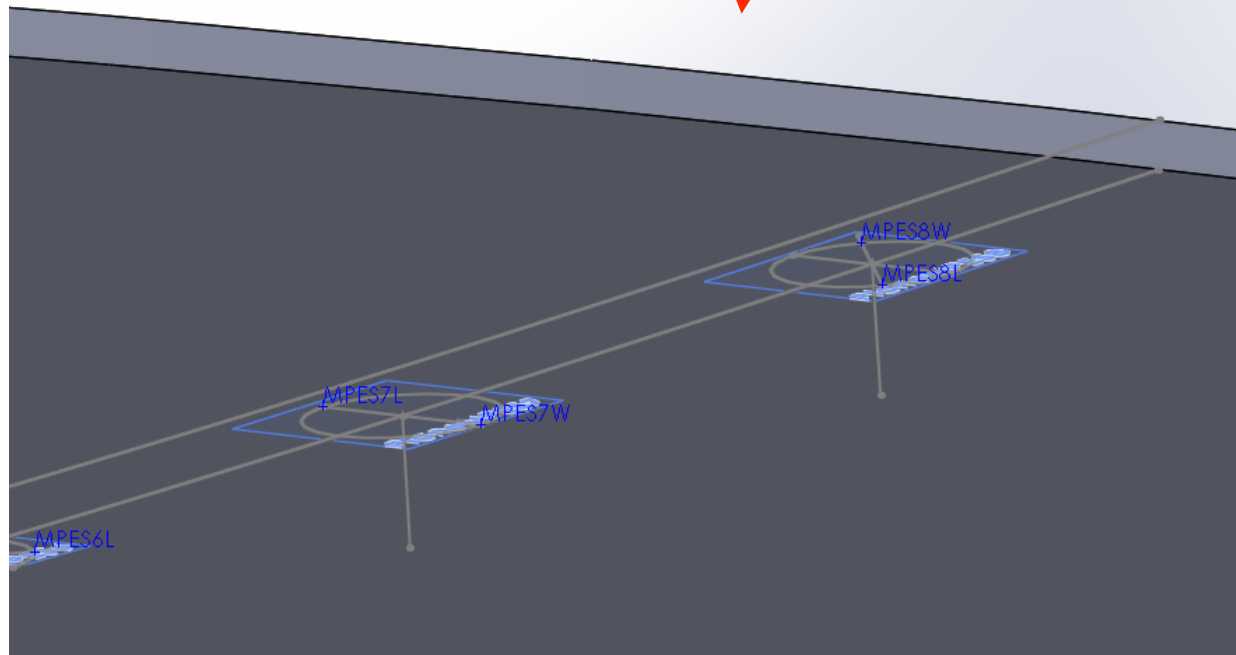**Panel Back**
SCT-OPTMO/121108
Primary Mirror Definition (2.1)
y=0, z'(tau)=z(x)-37.5mm

Normals
Normal to the curve located at
the radius where the midpoint
between MPES pads is located
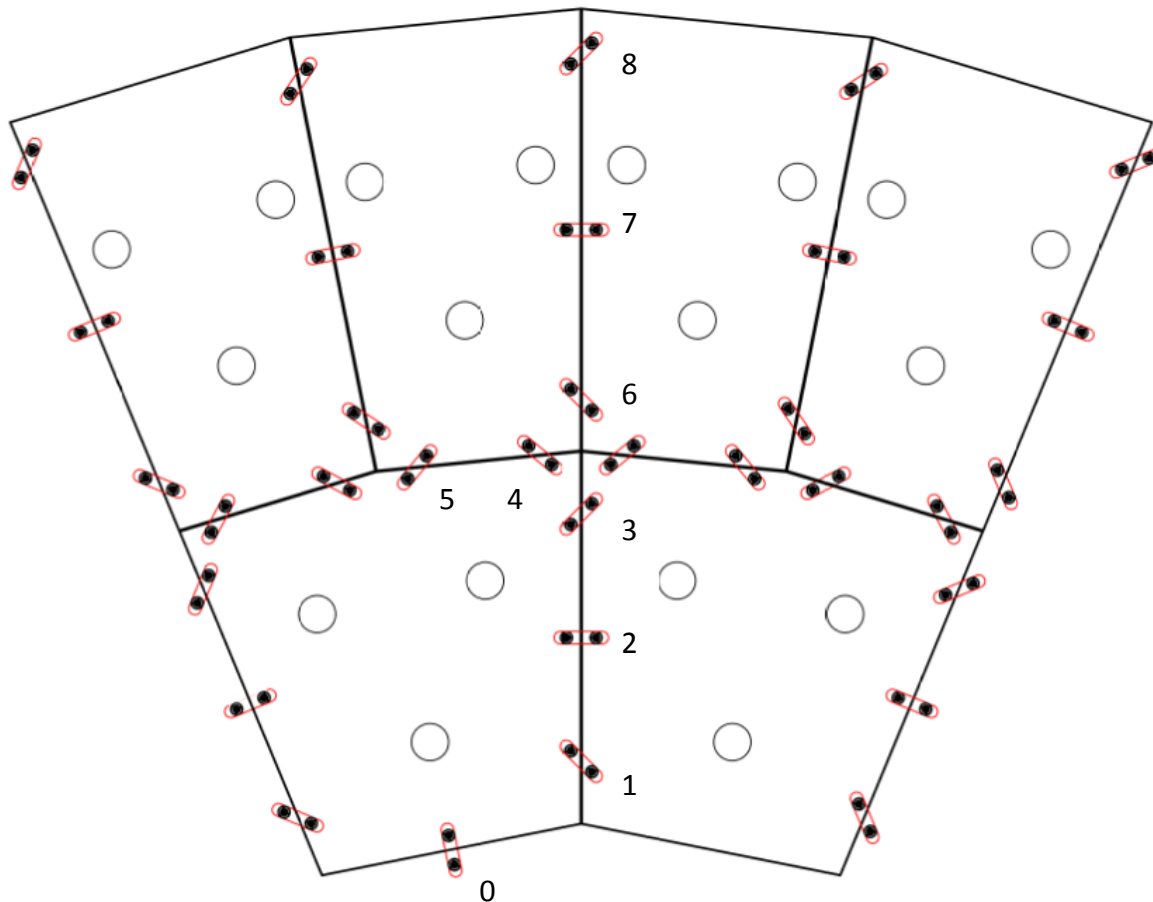
Primary mirror, secondary in progress

Local MPES planes

Planes tangent to panel back surface. Used to obtain (x,y,z) for each MPES position. Then (x,y,z) are converted to (tau(x,y),phi(x,y)). Error introduced by assuming surface locally flat is <1mm.

Primary mirror, secondary in progress

Pad center locations on panel back surface

PAD	tau	Phi [deg]
MPES0L	0.13806806	11.2500
MPES0W	0.15887780	11.2500
MPES1L	0.19244910	-1.2521
MPES1W	0.17606871	1.3090
MPES2L	0.25082862	1.5511
MPES2W	0.25082862	-1.5511
MPES3L	0.31675924	-0.9759
MPES3W	0.33854161	0.9440
MPES4L	0.36880083	1.3356
MPES4W	0.34606236	3.1737
MPES5L	0.34606236	8.0763
MPES5W	0.36880083	9.9144
MPES6L	0.41978656	-0.8477
MPES6W	0.39552288	0.8734
MPES7L	0.54304592	1.0541
MPES7W	0.54304592	-1.0541
MPES8L	0.68199716	-0.6651
MPES8W	0.71364095	0.6502

- Sub-millimeter precision
- Rest of positions:
phi + n*11.25deg

Primary mirror, secondary in progress