

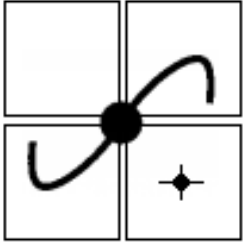
90prime



Steward Observatory

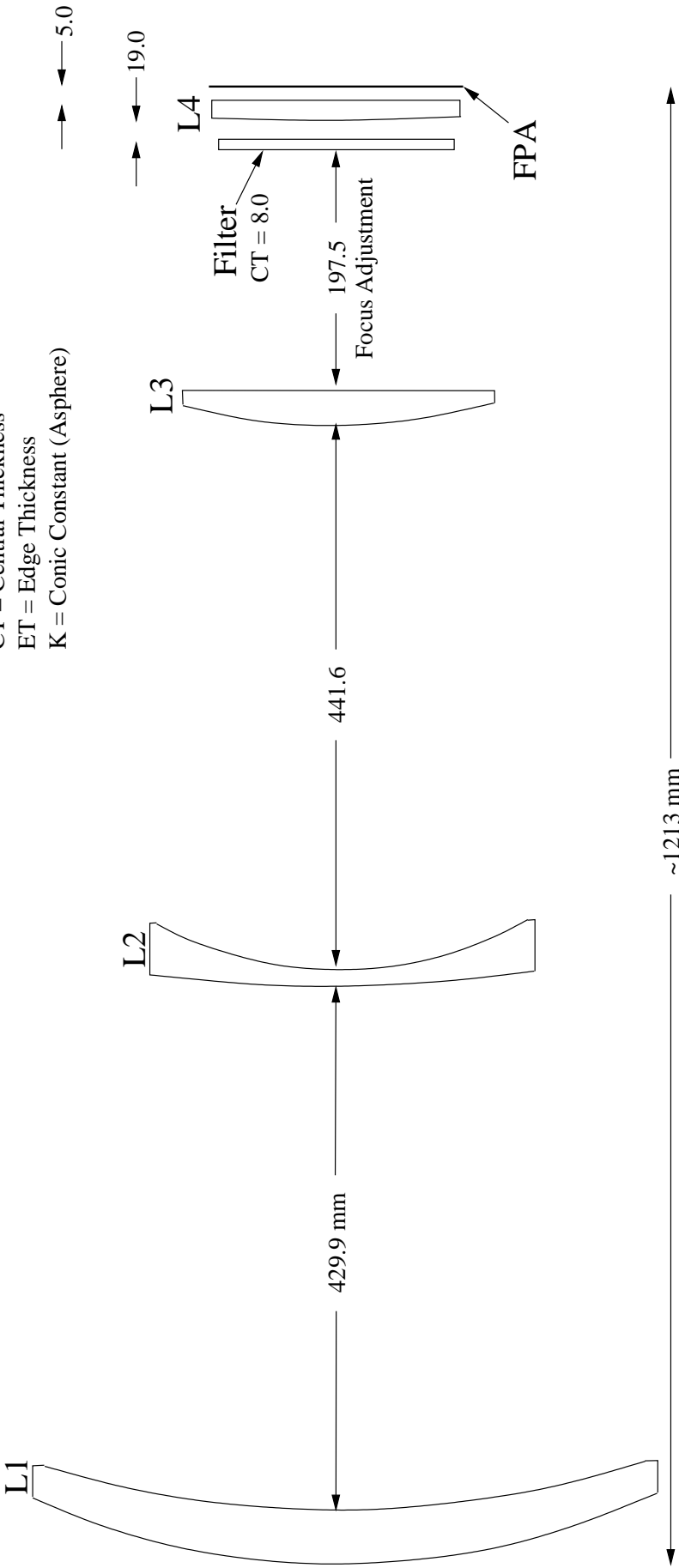
90" Prime Focus Corrector

Design by Jim Burge



All units are millimeters.

- D = Outside Diameter
- CA1 = Clear Aperture Surface 1
- R1 = Radius of Curvature Surface 1.
- CA2 = Clear Aperture Surface 2
- R2 = Radius of Curvature Surface 2
- CT = Central Thickness
- ET = Edge Thickness
- K = Conic Constant (Asphere)



L1

| | |
|-----|------------|
| D | = 520.0 mm |
| CA1 | = 495 mm |
| R1 | = 622.0 mm |
| CA2 | = 480 mm |
| R2 | = 813.0 mm |
| CT | = 45.0 mm |
| ET | = 27.4 mm |

L2 (Asphere)

| | |
|-----|----------|
| D | = 320.65 |
| CA1 | = 296 |
| R1 | = 1128.1 |
| CA2 | = 276 |
| R2 | = 312.58 |
| CT | = 14.0 |
| ET | = 43.0 |
| K2 | = -0.249 |

L3

| | |
|-----|----------|
| D | = 259.99 |
| CA1 | = 240 |
| R1 | = 478.59 |
| CA2 | = 240 |
| R2 | = Flat |
| CT | = 30.21 |
| ET | = 12.2 |

L4

| | |
|-----|----------|
| D | = 254.0 |
| CA1 | = 205 |
| R1 | = 2370.5 |
| CA2 | = 205 |
| R2 | = Flat |
| CT | = 22.5 |
| ET | = 19.1 |

